CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Office, New York, N. Y., Hegeman & Harris, contrs., bids in December for News Syndicate Co., $5,500,000.

Railway, Alabama, Engineering Commission plans, $3,800,000.

Apartment, New York, N. Y., Schwarz & Gross, archts., bids in August for Teeson Constr. Corp., $3,000,000.

Apartments, Chicago, Ill., J. Rosenwald, plans, $2,500,000.

Office, garage and store, Chicago, Ill., A. S. Alschuler, Inc., soon let contract, $2,000,000.

Apartment, New York, N. Y., Montenox Corp., bids in August, $2,000,000.

Hotel apartment, St. Louis, Mo., Local Syndicate, c/o W. J. Abbott, sketches, $2,000,000.

Hospital, New York, N. Y., Eighty-Seven St. East End Corp., bids in September or October, $1,750,000.

Club, Toledo, O., Y.M.C.A., plans $1,-550,000.

Bank and office, St. Louis, Mo., Continental Life Insurance Co., soon takes bids, total $1,500,000.

High school, Brooklyn, N. Y., Bd. Educ., New York, plans, $1,190,000.

Hotel, Hot Springs, Ark., New York Hotel Co., sketches, $1,000,000.

Abattoir and office, Phila., Pa., West Phil. Stock Yards, plan $1,000,000.

Railway, Texas, Gulf, Colorado and Santa Fe Ry. Co., plans, $1,000,000.

Hotel, Toronto, Ont., Syndicate, c/o N. A. Armstrong & Co., engrs. and archts., sketches, $1,000,000.

Bids Desired

Schools, Chicago, Ill., July 26 by Bd. Educ., totalling $13,020,000.

Medical office and garage, Cleveland, O., July 24, by Cleveland Union Terminal Co., $5,000,000.

Community, New York, N. Y., Racarulmer & Lehlbach, archts., bids about Aug. 1, for Y.M.H.A., $1,300,000.

Bids Received

Waterworks, Springfield, Mass., Bd. Water Comrs., from Winston & Co., Kingston, N. Y., and others totalling $20,880,000.

Public Bond Elections, coming and decided, are listed on Construction News page 33.

Contracts Awarded

Cold storage plant, Tampa, Fla., Tampa Union Terminal Co., to Parklap Constr. Corp. of Florida, St. Petersburg, $3,000,000.

Apartment, New York, N. Y., Northview Investing Corp., to G. Richard Davis est., $2,000,000.

Foundry, Saginaw, Mich., A. Kahn, archt., Detroit, to Everett Winters, Detroit, for Chevrolet Motor Co., est., $2,-000,000.

Apartment hotel and art galleries, New York, N. Y., Master Builders, Inc., to Longacre Eng. & Constr. Co., $1,700,000.

Apartment, Chicago, Ill., Holabird & Root, archts., to Johnson Bros., est. $1,500,000.

Bank and office, New York, N. Y., Thirty-Five-Forty-One Broad St. Corp., to G. A. Fuller Co., est., $1,500,000.

Hotel, St. Louis, Mo., Local Syndicate to McKelvey-Carter Constr. Co., est. $1,-250,000.

Smelter, Sudbury, Ont., International Nickel Co., New York, to Fraser Brace, Ltd., Montreal, est exceeds $1,000,000.

Apartment, New York, N. Y., Central Park West Corp., separate contracts, $1,-000,000.

Office, New York, N. Y., New Amsterdam Casualty Co., to James Stewart & Co., est. $1,000,000.

Auditorium, Moraga, Calif., St. Mary's College, to J. P. Brennan, Berkeley, $1,-000,000.

News of the Week

Waterworks

Proposed Work

N. Y., Kingston—Bd. Water Comrs., City Hall, rejected bids June 26, Cooper Lake Aqueduct. Noted June 14.

Kan., Barnes—Soon takes bids watermains. $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engr.

Kan., Gypsum—Waterworks. To exceed $15,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engr.

Ark., Lonoke — Soon takes bids water works, incl. 2 wells, pumping equipment, 200,000 gal. tank on tower, 4- to 8-in. mains, sanitary sewers. $125,000. W. Terry Field, Gazette Bldg., Little Rock, engr.

Okla., May — Preliminary plans new waterworks. $17,000. H. Thom, mayor. Engineer not selected.

Okla., Ponca City—Preliminary plans extending 15,000 ft., 6 and 8 in. mains in Country Club Dist. $20,000. H. W. Crawford, Ponca City, engr.

Okla., Sasakwa—Selling $30,000 bonds, complete waterworks, incl. tank on tower. Milliken & Whiteneck, 312 South West Natl. Bank Bldg., Oklahoma City, engrs.

Calif., Oceanside — Election $75,000, 2 m.g. to 3 m.g. reservoir. R. L. Loucks, city engr.

Bids Desired

N. J., Fair Lawn—Aug. 14, by Mayor and Boro Council, Fair Lawn School House 3, water distribution system, wells, pumping station. McClave & McClave, Cliffside, boro engrs.; adv. E. N.-R. July 19.

N. J., Jersey City—July 24, by Bd. City Comrs., City Hall, excavating, backfilling for 24 in. mains in Charlotte Ave. $25,000. C. A. Van Keuren, city engr.

O., Cleveland—July 25, by Bd. Comrs. Cuyahoga Co., 5,599 ft. 8 in. c.i. mains in Porter Rd., (Impvt. 765), to exceed $25,000; 5,200 ft. 6 in. in Bway. (Impvt. 950), to exceed $25,000; 5,000 ft. 8 and 12 in. Wooster Pike, (Impvt. 1550), to exceed $25,000; 6,-800 ft. 8 in. c.i. mains Dartmoor Ave., (Impvt. 178). F. Williams, Court House, engr. Noted June 21.

N. C., High Point—July 24, by Mayor and City Council, 27,420 ft., 2 to 24-in. mains, 9,450 ft. 8-in. terra cotta sewers. E. M. Knox, city mgr.; adv. E. N.-R. July 19.

Ind., Anderson—July 23, by Bd. Wks. Eng. Dpt., 2½ m.g. reservoir for water plant. $60,000. Noted June 21.

Ind., Laporte—July 21, by Bd. P. Wks., A. F. Schultz, clk., water purification plant, 4 m.g.p.d., incl. administration building, filter building, aeration, mixing and settling basins, filters, with connections of incoming and outgoing pipe lines. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs. Noted Apr. 19.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mich., St. Clair Shores—July 24, by B. DeClair, village clk., 105,792 ft. 6- to 12-in. c.i. pipe, Contr. A4; 248 gate valves, Contr. B4; 110 two nozzle compression hyrants, Contr. C4; 15 ton special castings, 120 valve boxes, Contr. D4; 140 well frames and covers, Contr. E4; laying 59,315 ft. 6- and 8-in. c.i. pipe, Contr. F12; 55,833 ft. 6- to 12-in. c.i. pipe, Contr. F13. W. J. Lehner, Ulrich Bank Bldg., Mt. Clemens, engr. Noted June 28.

Ia., Primghar—July 24, by W. Downing, mayor, 100 g.p.m. triplex or duplex pump, 10 hp. motor, 1,300 ft. 6 in. suction main, pump house addition. W. E. Buell & Co., Sioux City, engrs. Noted June 28.

Neb., Ord—July 26, by N. Wolters, city clk., water purification plant, pumps, pipe. $38,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Tex., Boerne—Aug. 8, by Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, waterworks improvements, incl. 86,000 gal. water tank and tower, steel, 1- to 6-in. c.i. pipe, hydrants, valves, fire hydrants, for city. $30,000. Noted Dec. 8.

Tex., Dallas—Aug. 10, by Mayor and Bd. City Comrs., 115,650 lin.ft. 16- to 36-in. pipe lines, appurtenances; purification plant; pumping equipment at Bachmans Dam; 34 gate valves. M. G. James, city secy.; adv. E. N.-R., July 19.

Tex., San Antonio—See "Materials."

Calif., Oakland—Aug. 17, by A. P. Davis, ch. engr. East Bay Municipal Utility Dist., (1st unit), 21 mi. mains, incl. 111,579 ft. 24- to 44-in. pipe; adv. E. N.-R. July 19.

Bids Received

Mass., Springfield — Bd. Water Comrs., July 9, reservoir dam, Contr. 11, from Winston & Co., 277 Fair St., Kingston, N. Y., $1,437,000, 7,000 ft. outlet tunnel, Contr. 12, at Cobble Mountain, from Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, Mo., $651,000. Noted June 7.

Contracts Awarded

Mass., Boston—Metropolitan Dist. Comn., Boston, 19,000 ft. 30 in. mains in Malden and Revere, to C. & R. Constr. Co., 75 Bradeen St., Roslindale, $193,360. Noted June 14.

N. J., Jersey City — See "Proposed Work."

Md., Baltimore—Bd. Awards, mains in Lake Ave., to M. and J. B. McHugh, 3716 Sequoia Ave., $12,657. Noted June 28.

Tenn., Kingsport—F. L. Cloud, city mgr., to J. B. McCrary Co., Citizens & Southern Bank Bldg., Atlanta, Ga., river pumping station $33,950; pipe from wash water tank to storage tank $34,786; excavating, foundation and wash water tanks $2,905; to V. B. Higgins & Co., Kinney Bldg., Char-

See proposal advertising on page 144

Constr. News page 25

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

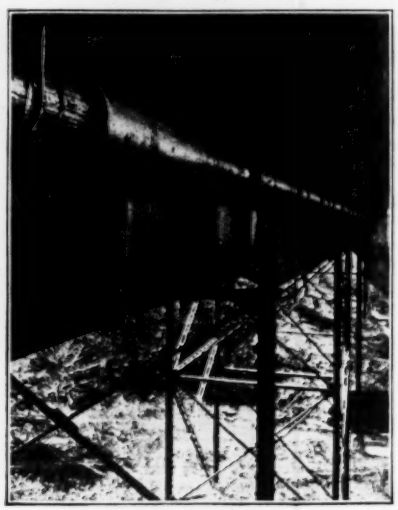
Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.



Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

filter plant, $107,000; to International Filter Co., 333 West 25th Pl., Chicago, Ill., installing filter plant equipment, $15,000; to Pittsburgh-Des Moines Steel Co., 429 Pennsylvania Ave., Pittsburgh, Pa., furnishing storage tank at cemetery and wash water tank at plant, $16,475; to Worthington Pump & Machy. Corp., 105 Cedar St., New York, motors and pumps $7,825; to Buford, Hall & Smith, Red Rock Bldg., Atlanta, Ga., installing pumps, motors, switchboards, cables and power wires, $12,-947 to Michigan Valve & Fdry. Co., 3631 Perkinson St., Detroit, Mich., furnishing valves and hydrants, $8,350. Grand total $239,138. Noted June 7.

O., Canton—Stark Co., mains in North Canton Rd., and Edgefield Sewer Dist., known as Projects 11 and 12, to M. B. Gessner, Toledo, $32,944 and $42,143 respectively.

Ill., Winfield—Bd. Local Impvts., 6 and 8 in. c.i. mains, to Allied Contractors, 80 East Jackson Blvd., Chicago, $41,950. Noted June 14.

Nev., Wells—See "Sewers."

Sewers

Proposed Work

Mass., Concord—Metcalf & Eddy, engrs., Statler Bldg., Boston, rejected bids July 5, 4 mi. vitr. sewers, Contr. 2, for Town. Noted June 28.

Mass., Nantucket — Weston & Sampson, engrs., 14 Beacon St., Boston, soon take bids pumping station for sewerage system, for Tower. $185,000. Noted Mar. 15.

N. J., Garfield (br. Passaic)—Bd. Freeholders Bergen Co., Court House, Hackensack, preliminary plans drainage system in Golf Brook, R. P. McClave, Court House, co. engr.

N. J., North Caldwell—Bd. Chosen Freeholders, Hall of Records Bldg., Newark, storm sewer. $35,000. J. Stickel, Hall of Records Bldg., Newark, co. engr.

N. J., Nutley (br. Newark)—Bd. Comrs., Town Hall, storm sewer, bituminous macadam repaving Alcove St., Nutley Ave. $35,000 appropriated. G. R. Hartley, town engr.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, sanitary sewer in Kingsland Rd. from Passaic Ave. to 3rd River. $30,000. G. R. Hartley, town engr.

N. J., Plainfield—Common Council sewerage system in Green Brook Sect. $200,000 appropriated. A. Vars, City Hall, engr.

N. C., Jamestown—Guilford Co. Sanitarium, J. L. Spruill, supt., connecting its water supply with High Point city mains, new central sewage disposal plant. $20,000.

N. C., Jamestown—See "Waterworks."

Ia., Creston—Preliminary plans 3,100 ft. 15- to 48-in. vitr. brick, concrete sewers. P. K. De Voe, City Hall, engr.

Kan., Topeka—Preliminary plans sanitary sewers in Saywell and Jefferson St. $35,-000. W. E. Baldry, City Hall, engr.

Mo., St. Louis—Soon takes bids rein.-con. lined open flood channel for River des Peres, 140 and 150 ft. bottom width, with sanitary sewers to connect existing sewers with new channel, Sect. H River Des Peres Project. $2,500,000. W. W. Horner, 300 City Hall, St. Louis, engr. Noted June 7.

Tex., Houston — City, O. F. Holcombe, mayor, sewerage system in Yale St.

Tex., La Porte—Sewerage system. $50,-000. Address F. W. Reynolds, mayor.

Okla., Beaver—Preliminary plans new sanitary sewers. $25,000. A. L. Kimball, mayor.

Okla., Blackwell—Preliminary plans extending 4 mi. sewers in Tollivers addition. $30,000. W. R. Ritzhaupt, Blackwell, engr.

Okla., Buffalo—Preliminary plans new sanitary sewers. $25,000. E. E. Kemp, mayor.

Okla., Granite—Sewerage system. $30,-000. C. Riggans, Anadarko, engr.

Okla., Kingfisher—Surveys extending 17,-000 ft. 8in. vitr. clay sewers. $26,000. R. Lindsay, Kingfisher, engr.

Okla., Laverne—Preliminary plans sanitary sewage system, disposal plant. $25,000. G. Morris, mayor. Engineer not selected.

Okla., Maud—Preliminary plans extending sanitary sewers in Villines addition. $30,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—For 16,000 ft. 48 and 60 in. storm sewers in Culbertson addition. $75,000. W. W. Small, City Hall, engr.

Wash., Yakima—Sewage disposal system. $60,000. C. M. Wilson, city engr.

Calif., Los Angeles—Sewerage system for Van Nuys Dist. $500,000 or more. L. O. Turner, City Hall, assistant city engr.

Calif., Los Angeles—Los Angeles Co., 4.2 mi. D & W. S. vitr. sewers in Flower and Clark Aves., Impvt. 794-Bellflower Unit 1, $93,767; 6.21 mi. cement sewers in Orchard Ave. and Larch St. Impvt. 767—Lennox Unit 1, $64,247.

Calif., Wheatland—Sewerage system, $25,000. C. C. Kennedy, Call Bldg., San Francisco, engr.

Ont., Hanover—Council, A. Armstrong, chn. com., sewerage system. Engineer not selected.

Ont., Swastika—Extending sewers, waterworks, to McNamara Constr. Co., 53 Yonge St., Toronto, $31,675.

Ont., Riverside—See "Streets and Roads."

Ont., Toronto—For 3 to 4 mi. 8 in. and up vitr. tile sewer in Price-Ashbridge Dist. near Greenwood Ave. $92,140. R. C. Harris, City Hall, engr.

Bids Desired

Mass., Boston—July 26 and 27, by Dpt. P. Wks., sewerage works in Roxbury and West Roxbury. $25,000. J. H. Sullivan, comr.

R. I., Providence—July 23, by Bd. Contr. & Supply, sewerage works in Blackstone Blvd. and Burchard St. $25,000.

N. Y., Brooklyn—July 25, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall sewers in Ave. P, West 12th St., East 49th and East 96th Sts.

N. Y., New York — See "Streets and Roads."

Pa., Edinboro—July 30, by Boro Council, 4,000 ft. 12 in. sewers. A. Skelton, Secy.; adv. E. N.-R. July 19.

D. C., Wash.—July 24, by Dist. Comrs., various sewers.

Ky., Ft. Thomas—Aug. 3, by Bd. Council, sewage disposal plant. J. P. Dietrich, city engr.; adv. E. N.-R. July 19.

O., Cleveland—July 25, by Comrs. Cuyahoga Co., 4,800 ft. 8- to 27-in. vitr. clay sewers in Dartmoor Ave., (Impvt. 128); 3,800 ft. 60 in. concrete sewer in Solon Blvd., (Impvt. 1100). F. Williams, Court House engr.

O., Columbus—July 31, by W. H. Duffy, dir. Service, Olentangy Scioto Intercepting Sewer, Sect. 3, Contr. 13. R. H. Simpson, ch. engr.

Ill., Chicago—Aug. 1, by Bd. Park Comrs., 57th St. and Cottage Grove Ave., sewage pumping equipment in Grant Park. M. E. Connelly, secy.

Ill., Chicago—July 24, at office Bd. Local Impvts., City Hall, water service pipes in West 82nd Pl., West 82nd and Melrose Aves., Indiana, Komensky, Lamont, Watson, Miami, Mason, Marmora, Kirby, Kerrs, Turner, North McVitkers, Nashville, Nottingham, Winchester, Keating, Kilpatrick, Artesian, South Sawyer, Spaulding and Moman Aves. M. J. Faherty, pres.

Ill., Chicago—July 24, by at office Bd. Local Impvts., City Hall, tile sewers with brick manholes, catch basins in East 86th Pl., East 86th and 96th, West 54th and 98th Sts., Avenues C and O, South Kilpatrick, Keating, Kenneth, Kilbourne, Kolmar Aves.; drains in West 70th, 100th, 101st, and 102nd Places, West 69th, 70th, 71st, 99th, 100th, Holbrook, Melrose, Ignatius, Schreiber, North and South Robey Sts., Belmont, Merrell, Clyde, Chappel, Neva, Nixon, Princton, North Melvina, Nashville, Northingham, Harding, Springfield, Avers and Hamlin Aves. M. J. Faherty, pres.

Ia., Neola — July 23, by F. H. Liddell, city clk., 15,964 ft. 8 to 12 in. vitr. clay and 100 ft. 6 in. c.i. pipe, 500 manholes, 1,500 lb. c.i. manhole ring and cover, sewage disposal plant, incl. Imhoff tank, sprinkling filters, sludge bed, pumps, pump house. $30,000. Nixon & Reynolds, 309 Omaha Grain Exch. Bldg., Omaha, Neb., engrs.

Minn., New Ulm—July 27, by City, storm and sanitary sewers. $450,000. F. D. Minium, city engr. Noted June 21.

Mo., Troy—July 30, by City Clerk, sanitary sewerage system, disposal plant. $48,000. Russell & Axon, 1945 Ry. Exch. Bldg., St. Louis, and McDaniel Bldg., Springfield, engrs. Noted June 28.

Tex., San Antonio—See "Materials."

Calif., Chico—Butte Co. bids about Sept. 9, new sewage disposal plant, incl. Imhoff tanks, sludge beds. $250,000. M. Polk, Chico, engr.

Calif., Wheatland—Bids about Aug. 5, 2 mi. sewerage system. $25,000. C. C. Kennedy, 74 New Montgomery St., San Francisco, engr.

Contracts Awarded

Mass., Boston—Dpt. P. Wks., sewerage works in Centre St., West Roxbury, to A. Cefalo, 19 Cefalo Rd., West Roxbury, $28,-551. Noted June 14.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Ave., extending sewer in Bronx Terminal Market and Waterbury Ave., from Anita Constr. Co., 2975 Marion Ave. $44,-560 and $19,600 respectively, sewer in East 173rd St., from A. Musumeci & Son, 277 East 146th St. $5,551. Noted June 28.

O., Garfield Heights (br. Cleveland)—To D. Rossi—Marceletti Co., 11696 Willard Ave., Cleveland, concrete sewers in Granger Rd. $24,558, sewers and water mains in East 119th St. $10,493, sewers in Turney Rd. $15,133. Grand total $50,184.

O., Massillon—Sanitary trunk sewer in West Brookfield, to J. Wittmann, Massillon, $27,217. Est. $30,000.

O., Salem—C. A. Cavanaugh, dir. Pub. Serv., sewage disposal plant, to Freeman & Jones, Inc., 5716 Euclid Ave., Cleveland, $103,183. Noted May 17.

Ind., Connersville—A. B. C. Sewer with laterals, to Conner, Bearly, Jinks, Connersville, $43,532.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Ribbens Bros., 1982 Woodburn St., Whitefish Bay, sewers and watermains in Capitol Dr. $2,504; to Wenzel & Henoch, 498 27th St., Cleveland Ave. $774, 14th St. $4,341, Park Hill Ave., $377, East Holt Ave. $7,549; to Klump & Johnson, St. Francis, East Euclid Ave. $3,484, and 12th Ave. $9,341. Grand total $28,370.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to General Contractors, 86-48th St., sewer in alley between Bway. and Milwaukee St. $5,224; Keefe Ave. $316—to E. H. Busse, 4730 Blue Mound Rd., Cedar St., $68,898—to H. Hohensee, 1282-10th Ave., Center St. $31,718—to Werne Co., 671 Hi-Mount Blvd., Cornell St. $4,230; Fairview Ave. $4,520; Houser Ave. $2,762; 30th Ave. $20,983—to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., Crest Court $18,176—to J. Brogan & Son, 16th St. and North Ave., Vollner Ave. $19,763—to P. & L. Co., 1107 Humboldt Ave., Fiebrantz Ave. $350—to Zimmermann & Zimmermann, 2826 State St., Hawley Rd. $2,914. Grand total $179,854.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Kehrein Bros., 1096-23rd St., sewers, watermains, gas connections Center St. $2,347, Roosevelt Dr. $1,056; to Wenzel & Henoch, 498-27th St., Girard Ave. $5,608, Greenfield Ave. $2,999, Park Hill Ave. $139; to J. B. Forrestal Co., 215-15th St. Ellen St. $647; T. G. Holton, 345-27th Ave., Howell Ave. $5,723; to Wisconsin Sewer Constr. Co., 928 Humboldt Ave., Cleveland Ave. $5,343. Grand total $23,862.

Wis., Waukasha—Sewage disposal plant, to Bondgard Constr. Co., 932 Herrick Ave., Racine, $127,926.

Mo., St. Louis—Bd. P. Serv., City Hall, Rock Creek Joint Sewer, 815 ft. 16 ft. rein.-con. horseshoe pipe, to R. J. Blackburn, 5700 Eichelberger St., $65,627. Est. $87,-000. Noted July 5.

Mo., Kansas City—Sewer Dist. 601, Div. 6, to T. P. Thompson, 3908 Forest Ave., $30,815.

Tex., Galveston—Sewers in 7 blocks Ave. J from 40th to 47th Sts., to Walker & Elder, Builders Exch. Bldg., San Antonio, $78,744.

Tex., Weslaco—B. F. Sanders, engr., Weslaco, furnishing 11,000 ft. 12- to 24-in. vitr. sewer pipe, to Mercedes Concrete Pipe Co., Mercedes, for City, $8,766. Noted June 21.

Okla., Oklahoma City—For 21,300 ft. 8 to 18-in. concrete sewer in Markland St., to W. B. Carter, 7 North Rockford St., Tulsa, $26,846. Est. $30,260.

Nev., Wells—Sewers, watermains, to Mullins & Wheeler, Salt Lake City, Utah, $31,-920. Noted July 5.

Calif., Gustine—Extending sewerage system, to Smith Constr. Co., 354 Hobart St., Oakland, $30,335.

Calif., Inglewood—Vitr. sewers in Impvt. Dist. 2, to J. Zelko, 2137 Ocean View Ave., Los Angeles, $77,187.

Calif., Livingston—E. J. Hicks, city clk., vitr. sewerage system, to R. B. McNair, 3819 Rhoda St., Oakland, $41,955. Noted July 5.

Calif., Long Beach—Rein.-con. drains in Hill St., to A. T. Dolan, Ocean Beach, $24,988. Noted June 28.

Calif., Woodland—For 4 mi. 24 in. sewer from 4th and Beamer Sts. to City Disposal Plant. A. G. Proctor, Woodland, engr.

Constr. News page 26

8 Reasons Why WISCONSIN Cities Use INDEPENDENT Concrete Pipe

PROGRESSIVE cities in Wisconsin, as in a long list of other states, have found ***Independent*** Reinforced Concrete Pipe the ideal material for building permanent sewers, at remarkably low cost.

Here are some of the economies and advantages gained by using this pipe:

1. ***Built on the Job***—Pipe sections are precast in our special plants set up near the site of the sewer.
2. ***Benefit the City***—Wherever possible, local labor and materials are used to build the pipe.
3. ***Quality Control***—Pipe are made by "factory methods," with quality guarded at every step by our superintendents and the city's inspectors.
4. ***Prompt Delivery***—Short haul from pipe plant to sewer site avoids delays. Pipe are placed ready for sewer contractor to lay.
5. ***Easier to Lay***—The exclusive "Recessed Joint," greatly facilitates laying the sewer line, also makes possible—
6. ***A Stronger, Tighter Joint***—Even under difficult trench conditions, it is easy to seal this joint properly.
7. ***Free Flow***—Completed sewer is true and smooth; provides free flow and maximum capacity.
8. ***Permanence***—Sewer is good for generations, with little or no upkeep.

Let us show what these features will SAVE you on your next sewer project. Write us for estimates.

INDEPENDENT CONCRETE PIPE CO.
General Offices: Indianapolis, Ind.

Laying a line of 42" *Independent* Concrete Pipe at Kenosha, Wisconsin

INDEPENDENT Sewers Serve These and Many other Wisconsin Cities

Baraboo	Racine
Janesville	Sheboygan
Kenosha	Two Rivers
La Crosse	Watertown
Manitowoc	West Allis
Marshfield	W. Milwaukee

INDEPENDENT CONCRETE PIPE SEWERS

Waste Disposal

Proposed Work

N. J., Englewood—Bd. City Council, City Hall, incinerator to replace present system of garbage disposal. $75,000 appropriated. Address City Engineer.

Bids Desired

N. Y., St. George—July 25, by J. A. Lynch, pres. Richmond Boro, Boro Hall, general construction 90 ton garbage incinerating plant for Clifton Destructor, Clifton, S. I.

Bids Received

Calif., Beverly Hills—Incinerator, from Nye Odorless Crematory Co., 417 South Hill St., Los Angeles, $29,000. Noted Apr. 26.

Bridges

Proposed Work

N. J., Elizabeth—Bd. Freeholders Union Co., Court House, concrete, steel bridge over Elizabeth River, on Trotters Lane. $25,000. J. L. Bauer, Court House, co. engr.

N. J., New Providence—Bd. Freeholders Union Co., Court House, Elizabeth, new concrete, steel bridge over Passaic River, on Central Ave. $25,000. J. L. Bauer, Court House, Elizabeth, co. engr.

Ga., Burnt Fork (mail White Oak)—Bd. Comrs. Roads & Revenue Charlton Co. (Folkston), bridge over Satilla River, near here.

La., Lockport — La Fourche Parish (Thibodaux), reconstructing fenders at bridge across Louisiana and Texas Intra-Coastal Waterway (company canal).

Ia., Sioux City—Rein.-con. bridge over Floyd River near packing plants. $50,000. R. Nash, city clk.

Tex., Big Springs—City, Howard Co., and Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr. Dallas, 250 ft. steel span viaduct, rein.-con. viaduct over railroad tracks. $125,000. Address H. R. Davenport, Big Springs, co. judge.

Tex., Jacksonville—See "Streets and Roads."

Missouri—State Hy. Comn., Jefferson City, steel truss, rein.-con. deck girder and rein.-con. slab spans in Harrison, Reynolds, Greene, McDonald, Audrain, Oregon, Dallas, Warren, and Clinton counties. T. H. Cutler, ch. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans 2 span 200 ft. steel truss bridge on piers over Mocassin Creek near Tangier, Woodward Co., $35,000; 7 span 140 ft. rein.-con. bridge, Hy. 14, near Vici, Dewey Co., $31,000. C. R. Mandigo, hy. engr.

Okla., Bearden—Okfuskee Co. (Okemah), preliminary plans 2 span 350 ft. steel truss bridge over Canadian River. $40,000. G. Catlett, Okemah, engr.

Okla., Beaver—Beaver Co. preliminary plans 2 span 130 ft. steel truss bridge on piers, 20 mi. from here. $30,000. J. W. Lewis, Beaver, engr.

Okla., Earlsboro — Pottawatomie Co. (Tecumseh) preliminary plans 2 span 140 ft. steel truss bridge on concrete piers over Little River, near here. $30,000. F. D. Brown, Shawnee, engr.

Okla., Elmore City—Garvin Co. (Pauls Valley) preliminary plans 1 span 60 ft. steel truss bridge on piers over Wolff Creek. $25,000. P. A. Little, Pauls Valley, engr.

Bids Desired

Vermont—July 20, by State Ry. Dpt., Montpelier, bridge in Readsboro— 6 bridges in Braintree, Proposals 4 to 9 (inclusive)—2 bridges each in Pittsfield and Danby. S. B. Bates, comr.

Massachusetts—July 24, by Dept. P. Wks. State House, Boston, 2 rein-con. bridges, gravel approaches in Princton and Sterling. $25,000 or more. W. F. Williams, comr.

New Jersey—Aug. 6, by State Hy. Comn., Trenton, bridge, Route 25, Sect. 6, over tracks of Port Reading Branch of Reading Co., Middlesex Co. A. L. Grover, ch. clk.; adv. E. N-R., July 19.

Ohio—July 27, by H. J. Kirk, dir. Hys., Columbus, concrete bridges in Ashland, Butler, Columbiana, Erie, Gallia, Hamilton, Harrison, Hocking, Holmes and Union Counties.

Maryland — July 24, by State Roads Comn., Baltimore, two three span steel, concrete bridges, one Contr. BC-73, Baltimore Co., other Contr. M-114, Montgomery Co., J. N. Mackall, chn.

Virginia—See "Streets and Roads."

Ala., Birmingham—Engineering Commission composed of A. J. Hawkins, city engr., B. Herman, ch. engr. Southern Ry., Wash., D. C., E. Wise, Jr., special engr. Louisville & Nashville R. R. Co., Louisville, Ky., bids about Sept. 1, 1,000 ft. rein-con. viaduct, 70 ft., incl. approaches, 22nd St. $225,000. Noted July 5.

Louisiana—Aug. 14, by State Hy. Comn., Baton Rouge, superstructures and fenders Chef Menteur and Rigolets Bridges, Federal Aid Project 201 Sect. D, Unit 2 and Sect. F, Unit 2, Orleans and St. Tammany Parishes; adv. E. T.-R. July 19. Noted July 28, 1927.

Indiana—July 31, by J. D. William, dir. State Hy. Comn., Indianapolis, bridges in Lake, Grant, Elkhart, Newton, Fulton, Wayne, Tippecanoe, Washington, Fayette, Jackson, Scott, Switzerland, Knox, Harrison, Pile and Knox Counties.

Ill., Pana—See "Waterworks."

Michigan—Aug. 7, at Saginaw Co. Road Office, Saginaw, S. R. Bridge 1 of 73-10-22, C-1 and 2, two 70 ft. steel deck girder, for State Hy. Dpt., Lansing. R. W. Roberts, Saginaw, resident engr.

Michigan—July 27, at office Wolverine Portland Cement Coldwater, Advice Bridge 2 of 12-13-22, C-1 and 2, three span, steel deck girder and Advice Bridge 2 of 12-1-21, C-1 and 2, three 96 ft. span steel deck girder, Branch Co., for State Hy. Dpt., Lansing.

Iowa—July 24, at office Auditor State Hy. Comn., Ames, 70 x 20 ft. skew pony truss bridges on old raised abutments, two 70 x 20 ft. and one 50 x 20 ft. pony truss and one 40 x 24 ft. I-beam bridges, 5 culverts, extensions on U. S. Hy. 65, B-89, Cerro Gordo Co.—16 x 24 ft. slab bridge, 20 culverts, extensions on Primary Roads 9 and 59, B-590, Howard Co.—46 x 24 ft. concrete deck girder bridge with 5 ft. walk, in Anamosa, B-209, Jones Co.—50 x 20 ft. pony truss, 110 x 20 ft. high truss bridges, 11 culverts on U. S. Hy. 34, B-512, Mills Co.—60 x 20 ft. pony truss bridge, 16 culverts on U. S. Hy. 34, B-575, Montgomery Co.—two 40 x 18 ft. I-beam approach spans, U. S. Hy. 65, B-40, Warren Co.—32 x 24 ft. I-beam bridge, 30 culverts, extensions, U. S. Hy. 55, B-73, Winneshiek Co.—32 culverts, Primary Rd. 56, B-549, Clayton Co. R. F. White, hy. comr.

Ark., Osceola—July 27, by Bd. Comrs. Sub-Dist. 4, Grassy Lake & Tyronza D.D. 9, Mississippi Co., cleaning out, enlarging 55 mi. present ditches, incl. 575,000 cu.yd. excav., also digging new ditches. Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., engrs.

Nev., Verdi—Aug. 6, by E. H. Beemer, clk. Washoe Co. (Reno)., 150 ft. span steel hy. bridge over Truckee River, near here. King & Malone, Reno, engrs.

Calif., Saugus—Aug. 1, by State Hy. Comn., Sacramento, five 82 ft. plate girder span bridge concrete deck on concrete pier, abutments with wing walls over Santa Clara River, point 3 mi. north of here; one 46 ft. steel girder span bridge concrete deck on concrete abutments with wing wall, about 0.72 mi. graded and paved roadway over Southern Pacific R.R. C. H. Purcell, Hy. Bldg., Sacramento, engr. Noted July 5.

Calif., San Jose—J. J. Lynch, city clk., taking bids bridge over Coyote River, on East San Antonio Ave. To exceed $25,000. W. Popp, city engr.

B. C., North Bend—July 23, by P. Philip, engr. Dpt. P. Wks., Victoria, substructure 405 ft. span bridge over Fraser River, for Provincial Govt., Victoria. $75,000.

Contracts Awarded

Maine—State Hy. Dpt., Augusta, bridges in Tremont, to Elliott & Marble, Skowhegan—in Old Town, to Wyman & Simpson, Augusta, $30,333—in Phillips, to Stewart & Williams, Augusta, $29,562—in Pittsfield and Freedom, to J. Frederick & Co., Pittsfield, $2,183 and $11,896 respectively.

Mass., Nantucket—Concrete, steel bridge across South Gully and bulkhead Easy St., to A. J. Barrett, 20 Fair St. Est. $25,000. Noted Mar. 22.

New York—A. W. Brandt, comr. Hys., Albany, **(e. e. means engrs. est.)**, reconstructing bridge, Ulster Co., to Hull & Saltsman, Highland Mills, $19,373 e. e. $25,940—bridges in Otsego Co., to F. F. Baker, Mechanicville, $87,946 e. e. $106,774—bridge in Dutchess Co., to L. P. Hover Co., Inc., Germantown, $13,470 e. e. $17,444—bridge, Hamilton Co., to J. Bocchi, Hudson Falls, $25,068 e. e. $31,052—bridge, Jefferson Co., to M. C. Soper, Seneca Falls, $36,792 e. e. $43,702. Grand total $182,649. Noted June 21 under "Streets and Roads."

N. J., Newark—Bd. Freeholders Hudson Co. (Jersey City and Essex Co. Newark), Hall of Records Bldg., reconstructing fenders for Jackson St. Bridge over Passaic River, to Linde & Griffith Co., 4th Ave. $29,500.

Maryland—State Roads Comn., Baltimore, double span steel, concrete girder bridge, to Southern Maryland Contg. Co., 12 East Lexington St., Baltimore, $22,932—single span steel concrete girder bridge, to M. Kelly, 3105 Clifton Ave., Baltimore, $7,292, both in Prince George Co. Noted June 28.

Ohio—H. J. Kirk, dir. Hys., Columbus, 3 span slab bridge over Hewett Fork, Athens Co., to B. Davidson, Athens, $6,647—concrete arch bridge Stark Co., to Laughlin Coal & Builders Supply Co., 223 Park Ave. N.W., Canton, $26,820—grade separation bridge, 3 in. brick paving approaches, Stark Co., to General Asphalt Paving Co., Witters Bldg., Canton, $20,268. Grand total $53,735. Noted June 21.

O., Cincinnati—Hamilton Co., Court House, 3 span 80 ft. I-beam bridge, on Montgomery Rd., to United Constr. Co., 408 Lyric Bldg., $29,604. Est. $34,248. Noted July 5.

Ia., Atlantic—Cass Co. 2 high truss and 1 I-beam bridges, to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, Neb., $14,720, 26 culverts, to F. O. Akin Constr. Co., Atlantic, $22,990.

Wis., Menasha—State Hy. Comn., City Hall, Menasha, Tayco Street Bridge over U. S. Government Canal, on U. S. Hy. 41, to Greiling Eng. Co., Green Bay, $217,167. Noted June 21.

Iowa—State Hy. Comn., Ames, raising 24 x 24 ft. slab bridge, adding 24 x 24 ft. span, 40 culverts, extensions, Decatur Co., to Metropolitan Constr. Co., Omaha, Neb., $17,739—50 x 20 ft. pony truss bridge, to F. O. Akin, Corning, $7,800—90 x 20 ft. skew pony truss bridge with two 40 x 20 ft. I-beam approaches, 140 x 20 ft. high truss bridge with two 40 x 20 ft. I-beam approaches, two 30 x 20 ft. and one 40 x 20 ft. I-beam bridges, Jackson Co. to P. Jayne, 2201 Mt. Vernon Ave., Cedar Rapids, $54,336—75 x 20 ft. plate girder bridges with four 40 x 20 ft. girder approach spans, Plymouth Co., to Iowa Bridge Co., 19th St. and Eastern Blvd., Des Moines, $22,397—10 culverts, Clayton Co., to Schaaf & Jakobsen, Lake Park, $4,900. Grand total $107,172. Noted July 5.

Kan., Atchison—Atchison Co., Arrington Bridge, one 120 ft. truss and two 18 ft. pile trestle spans over Delaware River, to Loomis Constr. Co., 1208 North 10th St., St. Joseph, Mo., $14,506. Noted June 21.

Ark., North Little Rock (br. Little Rock)—Pulaski Co. D.D. 1, F. D. Watkins, chn., 2408 Gaines St., new drainage ditches, cleaning old ditches, 157,000 cu.yd. excav., to J. L. Williams Co., Inc., Contractors Exch. Bldg., Memphis, Tenn., $20,300. Est. $35,000.

Wash., Centralia — Comrs. Lewis Co. (Chehalis), concrete, timber bridge over Skookumchuck River, to Northwest Constr. Co., Walla Walla $24,600. Est. $25,000.

California—State Hy. Comn., Sacramento, rein.-con. girder bridge over Truckee River at Tahoe, Placer Co., to P. M. White, Santa Monica, $23,988. Noted July 5.

Calif., Santa Paula—Ventura Co. (Ventura) reconstructing Willard Bridge, seven 90 ft. spans, to Oberg Bros., 3470 Hollenbeck Ave., Los Angeles, $28,800.

Railways

Proposed Work

Alabama—Engineering Commission composed of B. Herman, ch. engr. Southern Ry., Wash., D. C., E. Wise, Jr. special engr. Louisville & Nashville R.R. Co., Louisville, Ky., and A. J. Hawkins, city engr. Birmingham, elevating 3 mi. tracks Louisville & Nashville R.R. and Southern Ry. through city of Birmingham, with partial depression of 14th, 18th and 20th Sts., underpasses to range from 120 to 225 ft. long. $800,000.

Texas and Oklahoma—Chicago, Rock Island & Gulf Ry., M. L. Bell, vice-pres., 25 Broad St., New York, railroad from Amarillo, Tex., to state line between Texas and Oklahoma.

Texas—Gulf Colorado & Santa Fe Ry. Co., F. Merritt, ch. engr., Galveston, switching yard, 600 car capacity incl. roundhouse, machine shop. $1,000,000. Some of work will be done by day labor.

Oregon and California—Southern Pacific Co., G. W. Goschke ch. engr., 65 Market St., San Francisco, 97 mi. railway from Klamath Falls, Ore. to Altruas, Calif.

California—Klamath River Holding Co., Yreka, purchased 6 mi. Yreka R.R. from Yreka to Montague, plans expending $100,000 reconditioning roadbed, new ties, new 75 lb. steel, preliminary surveys 100 mi. extension of road into western Siskiyou Co. W. E. Plank, Yreka, ch. engr.

Constr. News page 27

Bethlehem is now rolling 33-inch and 36-inch Sections

THESE new 33-inch and 36-inch Bethlehem Wide-Flange Shapes are this Company's latest contribution to the structural steel industry. They are the deepest sections ever rolled in this country and will meet the need for deeper beams and girders, long felt by architects, engineers, contractors and fabricating shops.

These Bethlehem deep sections will have especially large application in railway and highway bridges, and in building construction. For long spans they show considerable economy over any other sections.

They are rolled on Bethlehem's patented Grey Mills, like other sizes of Bethlehem Wide-Flange Structural Shapes. The introduction, years ago, of Bethlehem Wide-Flange Shapes—commonly known as Bethlehem Sections—was an important event in the history of Structural Steel. Their economy in weight and in cost of fabrication was promptly recognized. Bethlehem Sections were widely accepted, and so extensively used that it was necessary to increase the capacity for production by building two additional Grey Mills to meet the demand.

And now the introduction of this series of 33-inch and 36-inch Sections extends the range of application of Bethlehem Wide-Flange Shapes and makes it possible to more fully utilize their advantages and economies. Regular rolling schedules of the new deep sections are being maintained.

Weights and Section Moduli of these New Sections

33-inch			*36-inch*		
Section Number	Lbs. per foot	Section Modulus	Section Number	Lbs. per foot	Section Modulus
B33	125	394.3	B36	147	500.9
B33	135	422.3	B36	155	530.4
B33	143	449.4	B36	164	561.1
B33	152	478.4	B36	173	595.0
G33	202	676.0	G36	231	835.0
G33	210	707.3	G36	240	872.0
G33	220	741.4	G36	250	911.2
G33	230	778.0	G36	260	949.5

BETHLEHEM STEEL COMPANY
General Offices: Bethlehem, Pa.

District Offices in: New York, Boston, Philadelphia, Baltimore, Washington, Atlanta, Buffalo, Pittsburgh, Cleveland, Cincinnati, Detroit, Chicago, St. Louis, San Francisco, Seattle, Los Angeles, Portland, and Honolulu.

Bethlehem Steel Export Corporation, 25 Broadway, New York City
Sole Exporter of Our Commercial Products

BETHLEHEM
Wide-Flange
STRUCTURAL SHAPES

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. J., Newark—Bd. City Comrs., City Hall, dredging 1,600 ft. channel, pumping fill from dredging to undeveloped land, erecting dock, piers, in Port Newark. $550,000. J. W. Costello, city engr.

Mississippi — Pidgeon Creek D. D., c/o J. C. Tucker, Holly Springs, bids in August, drainage 16,000 acres in Marshall, Tate and Desoto Counties, incl. 32.13 mi. canals, 771,200 cu.yd. excav., clearing 320 acres right-of-way. S. W. McCleskie, 11 South 2nd St., Memphis, Tenn., engr.

Ill., Stark—Wyoming Co. preliminary surveys dredging, straightening, shortening Spoon River bed to prevent overflowing 3,000 acres farm land. R. M. White, Geneseo, engr.

Wash., Walla Walla — Plans expending $200,000, permanent bulkheads along Mill Creek, for flood control, present bulkheads to be raised to height 12 ft. W. R. Rehorn, city engr.

Calif., Modesto—See "Unclassified."

Bids Desired

N. J., Jersey City—July 26, by County Mosquito Extermination Comn., Trust Co. Bldg., pile, timber bulkhead, tide gates, furnishing all materials for same in southerly end Penhorn Creek, $25,000. F. J. Radigan, Court House, c/o engr.

La., Crowley—July 24, by Comrs. 6th Ward, Crowley D. D., Acadia Parish, H. E. Lewis, pres., 42 mi. open ditch, incl. 400,000 cu.yd. excav. M. Bernard, Crowley, consult. engr. Noted June 28.

Illinois—Aug. 8, at office Dpt. Purchases & Constr., Div. Waterways, State House, Springfield, Contrs. 8, 10 and 11, machinery for Marseilles Canal, Marseilles, Starved Rock, Dresden Island and Brandon Pools, Contr. 8; meter and taintor gates, Contr. 10; bridges, Contr. 11. L. Small, dir.; adv. E. N.-R. July 19.

Ill., Chicago—July 20, by City, City Hall, altering channel South Branch of Chicago River between Polk St. and West 18th St. Noted Mar. 15.

Ill., East St. Louis — July 31, by Bd. Park Comrs. East St. Louis Park Dist., 929 Missouri Ave., St. Louis, Mo., dredging 1,845,000 cu.yd. E. P. Griffin, c/o owner, supt. and engr.; adv. E. N.-R., July 19.

Ill. Pana—See "Waterworks."

Iowa—July 26, at office Auditor Pottawattamie Co., Council Bluffs, 15,100 ft. Coulthard Levee, Pottawattamie and Harrison Counties. J. H. Mayne, 103 Pearl St., Council Bluffs, engr.

Ia., Anamosa—July 23, at office L. Rockstad, aud. Jones Co., drainage ditch, incl. 21,580 cu.yd. excav., 3,000 cu.yd. borrow, also 46 x 16 ft. pile bridge, timber crib, 48 x 8 ft., 6 ft. high.

Ia., Council Bluffs—July 26, by Bd. Supervs. Pottawattamie Co. at office auditor, repairing Honey Creek D. D., incl. 300,000 cu.yd. excav. in open ditch. $27,000. J. H. Mayne, 103 Pearl St., engrs.

Ia., Logan—July 24 at office Auditor Harrison Co., excavating 5,900 cu.yd. in Magnolia Drain. Mayne Eng. Co., Council Bluffs, engrs.

Ia., Wapello—July 23, at office Auditor Louisa Co., excavating 58,307 cu.yd. D. D. 25.

Mo., Foley—July 23, by D. E. Killam, secy. Kings Lake Drainage Dist., Lincoln Co. 3 x 4 x 90 ft. rein.-con. sluiceway. Bushnell & McCann, Quincy, Ill., engrs.

Calif., Coronado—Taking bids 9,900 tons rock for seawall repairs.

Calif., Orange Cove—Aug. 7 (extended date), by Foothill Irrigation Dist., irrigation work. M. Enderlein, Brix Bldg., Fresno, engr. Noted June 14.

Ont., Port Arthur—July 25, by S. E. O'Brien, secy. Dept. P. Wks. Ottawa, dredging. $150,000.

Alberta—Aug. 7, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging Athabaska River. $40,000.

B. C., Steveston — July 26, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, extending jetty 5,000 ft. north of Fraser River. $50,000. C. C. Worsfold, P. O. Bldg., New Westminster, engr.

B. C., Victoria Harbour—July 24, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging. $60,000.

Contracts Awarded

Mass., Harwich—Dpt. P. Wks., Boston, dredging 14,000 cu.yd. to depth 5 ft. at mean low water in entrance channel, anchorage basin at Witchmere Harbor, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $8,000. Noted May 24.

Pa., Phila. — R. Weglein, dir. Dpt. Wharves, Docks & Ferries, Chestnut St., Pier 4, South, constructing Schuylkill River Bulkheads, west side north of Harkness Point and south side of Point Breeze, to Trieste & Earle, Real Estate Trust Bldg., $106,980 and $90,339 respectively. Noted June 14.

O., Van Wert—Ditch 1092, 29,414 cu.yd. excav., Harrison, Pleasant and Union Twps., to A. Barclay, Monroeville, Ind.

Ill., East Peoria — East Peoria D. D., dredging Farm Creek from West Washington Street Bridge, to Illinois River, new diversion channel and spillway near L. E. and W. Bridge, to McWilliams Dredging Co., 332 South Michigan Blvd., Chicago, $75,000-$80,000.

Wis., Milwaukee—Milwaukee Co. Drainage Bd., c/o C. R. Dineen, 1422 1st Natl. Bank Bldg., Milwaukee Co. Farm Drain 18, to Wisconsin Drainage Co., Elkhorn $22,466. Noted June 21.

Calif., Long Beach—Retaining wall (or sea wall), incl. 1,800 cu.yd. concrete, along Bluff Park between Malino and Arizaba Aves., to Torson Constr. Co., 1290 West Anaheim St. $47,000.

Que., St. Hubert—Dominion Govt., Ottawa, Ont., work on Montreal Div. Harbor, to Cummins & Robinson, 70 Lombard St., Toronto, $102,441.

Ontario—Dominion Govt., Ottawa, reconstructing 115 ft. South Pier, Burlington Channel, in Burlington, to Randolph Macdonald Co. Ltd., 1130 Bay St., Toronto, $25,640; dredging Rondeau, to Canadian Dredging Co. Ltd., Midland, $38,650.

Ont., Rondeau—Dpt. P. Wks. Parliament Bldgs., Ottawa, dredging in Rondeau Harbor, to Canadian Dredging Co., Midland, $38,650. Est. $40,000. Noted May 24.

Ont., Owen Sound—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, improving harbor, to Woolnich & Bingham, Owen Sound, $24,000; to Jackson Constr. Co., Sorel, $19,000. Noted June 21.

Streets and Roads

Proposed Work

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, paving Bear St. from Solar St. to Grant Blvd., $120,740; Scott Ave. from East Genesee St. to Meadowbrook Dr., $50,720. N. F. Pitts, Jr., city engr.

N. J., Bergenfield—Bd. Boro Hall, 2 in. Topeka on 6 in. concrete paving Woods Ave. and Harrington St. $27,000. D. C. Boswell, 128 North Washington Ave., engr.

N. J., Bergenfield—Bd. Boro Council, Boro Hall, 2 in. Topeka on 6 in. concrete paving North Vivian St. and Elder Ave. $40,000. D. C. Boswell, 128 North Washington Ave., engr.

N. J., Bergenfield—Bd. Boro Council, Boro Hall grading, 2 in. Topeka on 6 in. concrete paving Beulau Pl., Byrne and North Queen Sts. $30,000. D. C. Boswell, 128 North Washington Ave., boro engr.

N. J., Bergenfield—Bd. Boro Council, Boro Hall, 2 in. topeka on 6 in. concrete paving Ames Ave. and Williams Rd. $30,000. D. C. Boswell, 128 North Washington Ave., boro engr.

N. J., Cliffside Park (br. Cliffside)—Bd. Boro Council, Boro Hall, grading, bituminous macadam paving Glenn St. and Cortland Pl. $25,000 appropriated. McClave & McClave, 600 Gorge Rd., Cliffside, engrs.

N. J., Elizabeth—Bd. P. Wks., City Hall, resetting curbing, 6 in. sheet asphalt on concrete paving Jefferson Ave. $32,500. T. Collins, City Hall, engr.

N. J., Fort Lee—Bd. Boro Council, Municipal Bldg., grading, curbing, concrete paving Brinkerhoff Ave. and Forest Rd. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg. grading, curbing, guttering, paving River St. from Anderson to Bridge and Court Sts. $25,000. F. Campbell, city engr.

N. J., Leonia—Bd. Boro Council, Boro Hall, widening, concrete paving Glenwood Ave. $26,000. C. Eckersen, 32 Dean St., Englewood, boro engr.

N. J., Maywood (sta. Hackensack)—Bd. Boro Council, Boro Hall, 4 ft. concrete sidewalks, both sides Romaine Ave., Sinninger and Edgewood Pls., Hartwick, Ackerman and Stewart Sts. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Maywood (sta. Hackensack)—Bd. Boro Council, Municipal Bldg., grading, curbing, bituminous concrete on 6 in. cement or 6 in. macadam, or 8 in. rein.-con. paving Belle Ave. $37,000 appropriated. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Milltown—Bd. Freeholders Middlesex Co., County Record Bldg., New Brunswick, permanent paving 2,940 ft. Main St. $35,000. W. Buchanan, Smith St., Perth Amboy, engr.

N. J., Newark—Grading, sheet asphalt on concrete paving Grafton Ave. $33,200 appropriated. J. W. Costello, city engr.

N. J., New Milford—Bd. Boro Council, Municipal Bldg., grading, concrete curbing, asphalt bound macadam paving Holland Ave. $25,000. A. Noack, 236 Main St., Hackensack, boro engr.

N. J., New Milford—Bd. Boro Council, Municipal Bldg., asphalt bound macadam resurfacing Grand St. $25,000 appropriated. A. Noack, 236 Main St., Hackensack, engr.

N. J., New Providence—Bd. Town Council, Township Hall, concrete paving Union Ave. $60,000. Engineer not selected.

N. J., North Caldwell (mail Caldwell)—Bd. Freeholders Essex Co., Hall of Records Bldg., Newark, bituminous macadam paving Elm Rd. $26,000. J. Stickel, Hall of Records Bldg., Newark, co engr.

N. J., New Providence—Bd. Freeholders Union Co., Court House, Elizabeth, widening, paving South St. $50,000. J. L. Bauer, Court House, Elizabeth, co. engr.

N. J., North Caldwell (br. Caldwell)—Bd. Freeholders Essex Co., Hall of Records Bldg., Newark, bituminous macadam on concrete paving Elm Rd. $26,000. J. Stickel, Hall of Records Bldg., Newark, engr.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, rein.-con. or sheet asphalt repaving Bloomfield Ave. and Harrison Sts. $134,000. G. R. Hartley, town engr.

N. J., Nutley (br. Newark) — See "Sewers."

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, grading, curbing, concrete sidewalks and 7 in. bituminous macadam paving Woodlawn Ave., Race, Locust, Chase, Harvard, Orchard, Holes, Spring and John Sts. $120,000. G. R. Hartley, town engr.

N. J., Palisades Park—Bd. Boro Council, Bergen Co., Boro Hall, grading, curbing, concrete paving Roosevelt Pl. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Plainfield—Common Council, City Hall, curbing, sidewalks. $25,000. A. Vais, City Hall, engr.

N. J., Point Pleasant — Common Council rejected bids curbing, sidewalks. $29,314. G. W. Hankins, mayor.

N. J., Ridgefield—Bd. Boro Council, Boro Hall, concrete sidewalks, concrete paving Elizabeth St. $28,500. McClave & McClave, 600 Gorge Rd., Cliffside Park, boro engrs.

N. J., Ridgefield—Bd. Boro Council, Bergen Co., Boro Hall, preliminary plans grading, resetting curbing, concrete paving Arthur St. $25,000 appropriated. McClave & McClave, 600 Gorge Rd., Cliffside, boro engr.

N. J., South Orange—Essex Co. Park Comn., 810 Broad St., Newark, concrete paving Cherry Lane from South Orange Ave. to Northfield Rd. $55,000. J. Stickel, Hall of Records Bldg., Newark, co. engr.

N. J., Tenafly—Bd. Boro Council, Boro Hall, grading, rein.-con. paving Lindley Ave. $25,000. W. G. Clark, 9 Hillside Ave., boro engr.

N. J., Weehawken—Twp. Com., Town Hall, sheet asphalt on concrete repaving Clifton Terrace, $25,000. Engineer not selected.

North Carolina—State Hy. Dpt., Raleigh, grading, small rein.-con. structures 17 mi. Project 6693, Rowan Co. $80,000. L. R. Ames, Raleigh, engr.

La., New Orleans—Sidewalks, concrete, asphalt paving 91 blocks Hamilton St. from Palmetto to Last Sts., Hamilton St. from Forshey to Palmetto Sts.; Dryades, Crete, Canal, Jackson, Hennesy, and Leonidas Sts. $545,000. A. Vallas, city engr.

Tennessee—State Dept. P. Wks. & Buildings, Div. Hys., Springfield, surveys improving 3 mi. Glendale-Valdean Rd., Hamilton Co. H. F. Berry, comr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, surveys improving 10 mi. Milan-Crockett Co. line Rd., Gibson Co. H. F. Berry, hy. comr.

Tenn., Shelbyville — Preliminary plans grading, curbing, concrete paving, $70,000. W. A. Fuller Co., 1912 Railway Exc. Bldg., St. Louis, Mo., and 1709 Russell Ave., Nashville, engrs.

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Streets and Roads (Continued)

Tenn., Springfield—Robertson Co. and State Dept. Hys. & P. Wks., Nashville, surveys improving 8 mi. Springfield-Ashland City Rd. H. F. Berry, hy. comr.

Ohio—H. J. Kirk, dir. Hys., Columbus, rejected bids June 15, grading, brick, concrete paving 2.959 mi. Sects. "B-2" and "C-1" Franklin Co.

O., Cincinnati—Hamilton Co., grading, sidewalks, concrete repaving 22,896 sq.yd. Madison Rd. $92,736. E. A. Gast, Court House, engr.

O., Cincinnati—Grading, concrete curbing, sidewalks, concrete repaving 4,750 sq.yd. Franklin Ave. $25,455. C. O. Sherrill, city mgr.

Ind., Anderson—Comrs. Madison Co., concrete paving 1 mi. C. A. Walton Rd., 20 ft. $30,000. A. Steele, Anderson, engr. Noted May 24.

Ill., Alton—Soon takes bids 7 in. rein.-con. paving 19,745 sq.yd. Riley Ave., 5 streets, Park Dr. Sewer & Paving Dist. $60,841. J. E. Schwaab, City Hall, engr.

Ill., Carrollton—Soon takes bids grading, curbing, concrete paving 40,000 sq.yd. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs.

Ill., Geneseo—Grading, curbing, rein.-con. paving 13 blocks East North St. and North Russell Ave. $40,000. S. Ogden, Geneseo, engr.

Ill., La Harpe—Soon takes bids grading, curbing, paving 50,000 sq.yd. State will pay for center 18 ft. and city the balance.

Ill., Peoria—Grading, curbing, rein.-con. paving 10.5 blocks Louisa St., Malone and Oakland Aves. $31,000. W. E. Backes, City Hall, engr.

Ill., Peoria—Vitr. brick on present paving 9 blocks South Adams St., 50 ft. $64,501. W. E. Backes, City Hall, engr.

Ill., Toulon—Stark Co. graveling 40 mi. State Aid Rds., 8 to 16 ft. $100,000. J. L. Duran, Court House, co. engr.

Ill., Winchester—Soon takes bids grading, curbing, concrete paving 40,000 sq.yd. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs.

Ia., Cedar Rapids—Prelminary plans widening, sheet asphalt or asphaltic concrete repaving 20,000 sq.yd. 3rd Ave. F. E. Young, City Hall, engr.

Ia., Cumberland—Preliminary plans curbing, guttering, sewers, concrete, asphalt, warrenite bitulithic, oiled, gravel or brick paving 12,000 sq.yd. P. K. De Voe, City Hall, Creston, engr.

Ia., Lisbon—For 7 in. rein.-con. paving 10,000 yd. $25,000. H. R. Green Co., Beaver Bldg., Cedar Rapids, engrs.

Kan., Alma—Wabaunsee Co. soon takes bids grading 2.94 and 5.3 mi. Rd.-K 11, Projects 515 and 516, 30 ft. F. Itz, Court House, engr.

Kan., Belleville—Republic Co. soon takes bids grading, bridging 5.457 mi. Federal Aid Project 313-A, 30 ft. J. O. Gunnells, Court House, engr.

Kan., Cottonwood Falls—Chase Co., grading, culverts 6.012 mi. Federal Aid Project 357-E, 30 ft. H. W. Wilkinson, Cottonwood Falls, engr.

Kan., Dodge City—Ford Co. grading, culverts 10.66 mi. Project 639, 30 ft. J. W. Thornbugh, Dodge City, engr.

Kan., Dodge City—Ford Co., soon takes bids grading 10.66 mi. RD-K 45, Project 39, 30 ft. J. W. Thornburgh, Court House, engr.

Kan., Emporia—Lyons Co. soon takes bids grading, drainage structures 7.071 mi. RD-K11, Project 503-A, 30 ft. O. D. Henry, Court House, engr.

Kan., Holton—Jackson Co. grading, 6.577 mi. Rd-K24, 30 ft. P. W. Wright, Court House, engr.

Kan., Iola—Allen Co. soon takes bids grading, bridging 5 mi. US Rd. 54, Federal Aid Project 283. A. W. Young, Court House, engr.

Kan., Liberal—Seward Co. preliminary plans grading 6 mi. US Rd. 54, Federal Aid Project 369, 30 ft. B. McPhail, Court House, engr.

Kan., Marion—Marion Co. soon takes bids grading, bridging 12.726 mi. Federal Aid Project 317-B, 30 ft. C. M. Hartsock, Court House, engr.

Kan., Oswego—Labette Co. soon takes bids gravel surfacing 13.5 mi. Altamont South Rd.; chat surfacing 3.8 mi. Parson-Galesburg Rd. W., 3.8 mi. Parsons-Galesburg East Rd. J. F. Grady, Court House, engr.

Kan., Phillipsburg—Phillips Co., grading, bridging 3 mi. Rd. K9 and 7 mi. US Rd. 36, Federal Aid Project 345. F. Shepherd, Court House, engr.

Kan., Smith Center—Smith Co., soon takes bids grading, bridging 5 mi. US Rd. 36, Federal Aid Project 364. H. L. Everet, Court House, engr.

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Kan., Sublette—Haskell Co., grading, culverts 12.086 mi. Project 652 and 6.044 mi. Project 651, 30 ft. C. D. Evans, sublette, engr.

Kan., Syracuse—Hamilton Co. preliminary plans grading, drainage structures 8.276 mi. RD-K27, 30 ft. H. T. Moody, Court House, engr.

Kan., Wellington—Sumner Co. preliminary plans grading 14.5 mi. RD-K 49, 30 ft. J. W. Mavity, Court House, engr.

Mont., Anaconda—Concrete paving 18,200 sq.yd. $39,000.

Missouri — State Hy. Comn., Jefferson City, 54 ft. grading 4 mi. St. Louis Co.—30 ft. grading 16.622 mi. Adair, Cooper, Greene, Audrian, Dallas, Harrison, Clinton, Atkinson, Atchison and Oregon Counties; 18 ft. gravel surfacing 9.566 mi. Wright, McDonald, Perry, Warren, Henry, Cape Girardeau, Maries and Douglas Counties; 9 ft. and 18 ft. concrete surfacing 4 mi. Platte Co.; hauling gravel 4.8 mi. Warren Co.; asphalt paving 4 mi. Clay Co. T. H. Cutler, ch. engr.

Mo., St. Joseph—City Clerk soon takes bids grading, concrete paving alley between Rencik and Sacramento Sts. $1,800, 5,500 sq.yd. Frederick Ave., $18,000, Scott St. between 9th and 12th Sts. $8,900; asphaltic concrete paving 2,030 sq.yd. Charles St. $3,000, alley between Mitchell and Penn Sts. $2,350, alley between Francis and Jules Aves. $1,900. W. M. Spann, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids vibrolithic concrete paving 2,65 sq.yd. Frey Ave. $14,800; warrenite bitulithic paving 3,130 sq.yd. Marquette St. $22,600; asphalt paving 3,090 sq.yd. Macklind Ave. $20,400, 2,735 sq.yd. Blair St. $20,100, 4,130 sq.yd. Compton Ave. $20,400; asphaltic concrete paving 2,700 sq.yd. Neosho St. $16,100, 3,330 sq.yd. Parkwood Pl. $20,640, 4,110 sq.yd. Bingham St. $11,800, 2,260 sq.yd. Rosa St. $6,850; rein.-con. paving 3,635 sq.yd. Robert Ave. $19,000, 1,740 sq.yd. Bamberger St. $9,000; 3 in. brick paving 540 sq.yd. Liermann St. $3,000, 1,540 sq.yd. Pelham St. $10,100. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids grading, rein.-con. paving Arsenal St. between 59th St. and Jamieson Ave. $39,540; sidewalks on Kingshighway between Laclede Ave. and Wabash Bridge $2,600, 7th St. and Chouteau Ave. $6,000, Carondelet Park $3,500, Forest Park $2,000. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, preliminary plans widening from 60-80 ft. Easton Ave. between Leffingwell and Prairie Sts. with cut-offs, also grading and granite block paving. $150,000. W. W. Horner, City Hall, engr.

Mo., St. Louis—W. W. Horner, city engr, 300 City Hall, soon takes bids grading, concrete paving 29,750 sq.yd. alleys in City Blocks 1033, 2782W, 2934, 2951, 2965, 3062, 2555A, 3964, 4000W, 4138, 4191, 4624A, 5225, 5295, 5358, 5447, 5484, 5536, 5767, 5825N, 5867, 5885, and 6087. $85,010.

Mo., Sikeston—Grading, curbing concrete paving North and South Kingshighway. $70,000. W. A. Fuller Co., 1912 Ry. Exch. Bldg., St. Louis, engrs.

Ark., Conway—Preliminary plans grading, curbing, concrete paving 2 mi. Paving Dist. 15, incl. South Harkrider, Chestnut, Deer, South Front, Independence and Washington Sts.

Ark., Hot Springs—Preliminary plans grading, curbing, hard-surfacing 20 blocks Whittington Ave.

Ark., Little Rock—Preliminary plans grading, curbing, guttering, concrete, asphalt or asphaltic concrete paving 14 blocks 2nd, Chester, Pulaski and High Sts.

Tex., Athens—Grading, bridging 25 mi. Hy. 31. $185,000. S. J. Treadway, Athens, engr.

Tex., Jacksonville—Cherokee Co., grading, bridging 8.274 mi. Hy. 43. $60,000. G. A. Bracher, Jacksonville, engr.

Tex., Raymondville—Willacy Co., 1 in. rock asphalt on 7 in. concrete paving 10 mi. road from Raymondville to Willamar, 22 mi. 4 feeder roads, $500,000. J. E. Johnson, Orange, engr. Noted July 12.

Oklahoma — State Hy. Dpt., Oklahoma City, preliminary plans improving 60 mi. roads in Beaver Co. $200,000—7 mi. State Rd. 27, Cherokee Co. $30,000—8 mi. U. S. Hy. 81, Grady Co. $30,000—7 mi. Hy. 33, Seminole Co. $30,000—60 mi. roads in Texas Co. $200,000—concrete surfacing 84,600 sq.yd. Hy. 12, Osage Co. $200,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans improving 60 mi. roads, 30 ft., Delaware Co., $75,000, concrete slab surfacing 28,400 sq.yd. U. S. Hy. 77, Garvin Co., $60,000—21,200 sq.yd. U. S. Hy. 77, Murray Co., $45,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans grading 10 mi. Hy. 25, 30 ft. $40,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans concrete surfacing 640,000 sq.yd. roads. $500,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, surveys grading 8 mi. Hy. 11, east of Pawhuska, Osage Co., 30 ft. $[illegible]. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, sheet asphalt, surfacing 54,000 sq.yd. Hy. 3, Pottawatomie Co. $146,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, surveys grading 8 mi. Hy. 14, Woodward Co., $25,000; 10 mi. Hy. 15, Woodward Co., $25,000. C. R. Mandigo, hy. engr.

Okla., Altus—Grading, concrete paving 8,450 sq.yd. Grandview and Hickman Sts. $34,925. J. C. Chisum, Altus, engr.

Okla., Alva—State Hy. Dept., Oklahoma City, concrete surfacing 10,000 sq.yd. drives on loop from campus to athletic field Northwest State Normal College $29,473. C. R. Mandigo, Capitol, Oklahoma City, engr.

Okla., Beaver—Beaver Co. grading 8 mi. Road 7, 30 ft. $25,000. J. W. Lewis, Beaver, engr.

Okla., Chandler—Grading, vertical fibre brick paving 5,600 sq.yd. Dewey Ave. $25,200. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Chickasha—Grading, concrete paving 12,000 sq.yd. 13th St. $36,672. R. O. Bradley, Chickasha, engr.

Okla., Chickasha—Grading, concrete paving 12,770 sq.yd. Alabama St. $37,360. R. O. Bradley, Chickasha, engr.

Okla., Duncan—Grading, concrete paving 7,860 sq.yd. 11th and Elder Sts. $31,600. H. Sullivan, Temple, engr.

Okla., Elk City—Grading, concrete paving 7,300 sq.yd. Thurmond and Browne Sts. $36,608. Benham Eng. Co., Gumbel Bldg., Oklahoma City, engrs.

Okla., Enid—Garfield Co. concrete paving 13,775 sq.yd. Road 11, $27,000. F. W. Denner, Enid, engr.

Okla., Enid—Garfield Co. preliminary plans grading 11 mi. Roads 8, 14 and 16, 18 ft. $30,000. F. W. Denner, Enid, engr.

Okla., Holdenville—Grading, concrete paving 11,000 sq.yd. Cypress St. $32,907. C. H. Edge, Holdenville, engr.

Okla., McAlester—Pittsburg Co. preliminary plans grading, 7 mi., Lake McAlester Rd., 26 ft. F. Fraser, McAlester, engr.

Okla., Okemah—Okfuskee Co. preliminary plans grading 8 mi. Rd. 2, 28 ft. $35,000. G. Catlett, Okemah, engr.

Okla., Oklahoma City—Grading, concrete paving 8,700 sq.yd. South 25th St. $33,600. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Oklahoma Co., preliminary plans grading 10 mi. Road 21, 28 ft. $30,000. R. S. James, Court House, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 11,600 sq.yd. Pennsylvania St. $46,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 5,600 sq.yd. West 27th St. from Walker to Shartel Sts. $28,242. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 6,200 sq.yd. Laird and Forest Aves. $30,744. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 10,050 sq.yd. Nobile Ave. $41,200. W. W. Small, City Hall, engr.

Okla., Ponca City—Grading, vertical fibre brick paving 7,300 sq.yd. McFadden St. $30,094. H. W. Crawford, Ponca City, engr.

Okla., Shawnee—Grading, sheet asphalt paving 6,600 sq.yd. Belmont Ave. $28,432; 6,800 sq.yd. Dill St. $27,486. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Okla., Shawnee—Grading, sheet asphalt paving 6,275 sq.yd. Waldrep and Hauck Sts. $28,611. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Okla., Tulsa—Grading, 7 in. concrete paving 6200 sq.yd. South Gray Ave., sheet asphalt, widening 6,100 sq.yd. North Peoria Ave., $38,400. B. M. Hart, City Hall, engr.

Okla., Tulsa—Sheet asphalt paving 5,700 sq.yd. Maybell Ave. $25,000. B. M. Hart, City Hall, engr.

Okla., Wewoka—Grading, concrete paving 17,600 sq.yd. Plum, Orange and Ochesee Sts. $61,226. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Seattle—Widening, repaving 3rd Ave. between Yesler Way and Pine St. $150,000. W. C. Morse, city engr.

Streets and Roads (Continued)

Calif., Auburn—Placer Co. paving 7 mi. Aeg & Impvt. Dist. 1. $100,000. J. Barnau, Auburn, engr.

Calif., Berkeley—Paving 7th St. and Heinz Ave. $95,000 or more. J. N. Eddy, city mgr.

Calif., Eureka—A. W. Kildale, city clk., grading, 1½ in. warrenite on 3½ in. asphaltic concrete paving 36,792 sq.ft. Harris St.

Calif., Hayward — Widening, curbing, walks, paving Castro St. $40,000. J. B. Holly, city engr.

Calif., Los Angeles — Los Angeles Co., grading, curbing, walks, 6 in. concrete paving 241,256 sq.ft., and 8 in. concrete paving 37,025 sq.ft. San Pedro St., Impvt. 509—grading, guttering, durite surfacing 385,-590 sq.ft., 3½ in. asphaltic concrete paving 381,055 sq.ft. Tract 2262, Impvt. 730, to exceed $80,000—grading, curbing, guttering, walks, 6 in. vibrolithic concrete paving 138,-810 sq.ft. Stockton Ave. (A and I 141)—disintegrated rock on cementitious gravel surfacing 125,815 sq.ft. Cole Ave. Impvt. 722, to exceed $30,000.

Calif., Oakland—Municipal airport roadway, $75,000. G. N. Randle, city engr.

Calif., Oakland—Grading, curbing, guttering, 1½ in. asphalt on 5 in. concrete paving 88,345 sq.ft. 82nd Ave.; 1½ in. warrenite bituminous on 5 in. cement paving 43,836 sq.ft. 62nd Ave.; grading, vibrolithic concrete paving 248,696 sq.ft. Excelsior Ave. and Hopkins St. G. N. Randle, city engr.

Calif., Oakland—Widening Moraga Rd., $66,000; grading, curbing, guttering, paving various sections city, $475,500 or more. G. N. Randle, city engr.

Calif., Oroville—H. H. Hume, engr. Butte Co., announced $427,478, road budget for fiscal year 1928-29, half for maintenance roads and bridges, balance for contemplated new construction.

Calif., Riverside—Riverside Co. constructing new roadway west of Indio to Pinon Flat. To exceed $75,000. A. C. Fulmor, Riverside, co. surv.

Calif., San Diego — Common Council, grading, curbing, sidewalks, 2 in. asphaltic concrete on 6 in., concrete paving 252,359 sq.ft. Garnet St. and Grand Ave. H. W. Jorgensen, city engr.

Calif., San Diego—Common Council, grading, curbing, sidewalks, 1½ in. asphaltic concrete on 6 in. concrete paving 68,101 sq.ft. Van Dyke Ave. H. W. Jorgensen, city engr.

Calif., San Francisco—Asphaltic concrete paving Girard St. between Ward and Mansell Sts. $30,000. M. M. O'Shaughnessy, city engr.

Calif., San Luis Obispo—J. G. Driscoll, clk. San Luis Obispo Co., soon takes bids grading, curbing, guttering, warrenite on asphaltic concrete paving, Mt. Pleasanton Dr. To exceed $25,000.

Calif., Visalia—Tulare Co. constructing 4½ mi. mountain road from point in Old Mill Rd. (Owner furnishes materials.) L. Moye, Visalia, co. surv.

Ont., Kitchener—Concrete curbing, guttering, asphalt on concrete paving 8,500 sq.yd. $35,000. S. Shupe, City Hall, engr.

Ont., Peterborough—Concrete curbing, guttering, asphalt on concrete paving Park St. $89,998. R. H. Parsons, Municipal Offices, engr.

Ont., Peterborough—Soon takes bids asphalt on concrete paving Monaghan Rd., 3 avenues, 4 streets, $113,673; concrete paving Reid and Water Sts. $29,604. R. C. Harris, Municipal Offices, engr. Noted July 5.

Ont., Riverside—Council, H. Drouillard, mayor, concrete paving, sewers, street lighting. $100,000. C. McHigh, Riverside, engr.

Ont., Sudbury—Concrete, asphalt or bitulithic paving 7,500 sq.yd. College St. $37,-000. F. C. Lane, Town Hall, engr.

Ont., Toronto—Widening, grading, sheet asphalt on concrete paving Poplar Plains Rd. $73,000. R. C. Harris, City Hall, engr.

Ont., Toronto—York Twp., concrete curbing, guttering, sheet asphalt or bitulithic on concrete paving 8,000 sq.yd. Ewart and Lapp Aves. $47,047. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Vermont—July 20, by State Hy. Dpt., Montpelier, rein.-con. paving 4.9 mi. hy. in Duxbury, Moretown and Middlesex. S. B. Bates, comr.

Massachusetts—July 24 by Dpt. P. Wks., State House, Boston, bituminous concrete paving 10,226 ft. hy. in Dennis—hardpan paving 3,181 ft. Plainfield—gravel and bituminous macadam paving 12,799 ft. in Norfolk, and Lunenburg—bituminous macadam paving 19,013 ft. Pembroke, Barre, and Billerica. W. F. Williams, comr.

Mass., Boston—July 23, by Dpt. P. Wks., sheet asphalt or bitulithic paving Ward 17, $25,000. J. H. Sullivan, comr.

Mass., Boston—July 25, by Dpt. P. Wks., recut granite block paving Ward 1. $30,000. J. H. Sullivan, comr.

New York—July 31, by A. W. Brandt, comr. Hys., Albany, improving hys. in Dutchess, Montgomery, Nassau and Schenectady Counties; reconstructing hys. in Albany, Columbia and Nassau Counties; bridges in Jefferson and Nassau Counties; adv. E. N.-R. July 19.

N. Y., Brooklyn—July 25, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, recurbing, sidewalks on Barbey St.; granite on concrete repaving Columbia St.; granite on 6 in. concrete repaving Fulton St., and Engert Ave.; grading Fardner Ave.; asphalt on 6 in. concrete repaving Hoyt and Maple Sts.; asphalt and granite on 6 in. concrete repaving Pitkin Ave.

N. Y., Long Island City—July 23, by B. M. Patten, pres. Queens Boro, Boro Hall, grading, curbing, sidewalks, sheet asphalt on concrete paving Roanoke and Metropolitan Aves.—regulating, recurbing, reflagging, sheet asphalt on concrete paving 45th St. (15th Ave.), 31st St. (Jamaica Ave.)—asphalt block on concrete repaving outside area, granite block on concrete repaving inside area of Steinway Ave.

N. Y., New York—July 24, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., grading, sidewalks on Eastern Blvd.; 2 in. asphalt block on concrete paving Rockwood St. and Waldo Ave.; sewer in Lurting Ave., East 152nd and East 142nd Sts.

N. Y., New York—July 26, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., curbing, asphalt block on concrete repaving East 150th St.

New Jersey—Aug. 6, by State Hy. Comm. Trenton, grading, drainage Route 29, Sect. 3, and Route 21, Sect. 1, Weequahic Park and Meadow Sects., Essex Co., A. L. Grover, ch. clk.

New Jersey—Aug. 6, by State Hy. Comm. Trenton, grading, bridging, 9 in. rein.-con. paving. Route 25, (Revision 1927), Sect. 6, from Route 4 (1927) to Amboy Ave., Middlesex Co., A. L. Grover, ch. clk., adv. E.N.-R. July 19.

N. J., Guttenburg — Bd. Town Council, Town Hall, bids about Aug. 6, resetting, laying new bluestone curbing, concrete sidewalks, rein.-con., repaving Adams, Jackson, Polk and Madison Sts., Palisade, Hudson and Bellevue Aves. $115,000. R. Gaw, 4633 Hudson Blvd., North Bergen, engr. Noted May 24.

N. J. Mendham—July 31, by Boro Council, curbing Hilltop Rd., Main, New and Orchard Sts., Park and Mountain Aves. F. S. Smith, Washington St., Morristown, engr.; adv. E.N.-R., July 19.

N. J., North Bergen—July 26, by Twp. Comm., Town Hall, bluestone curbing, sidewalks, sheet asphalt or reclipped block on concrete paving Virginia Ave., Midway Pl., 38th, 39th an 40th Sts. $375,716 appropriated. R. B. Glenn, town engr. Noted June 14.

N. J., Plainfield—Aug. 6, by Common Council, curbing, guttering, 7 in. bituminous macadam paving Contrs. 1 and 2, A. W. Vars, city engr.; adv. E. N.-R., July 19.

N. J. Teaneck (mail West Englewood)—July 24, by Twp. Comm., Municipal Bldg., grading, 6 in. single line rein.-con., paving Bedford Ave. $46,000. R. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr. Noted July 5.

N. J., Weehawken—July 26, by Bd. Hudson Co., Jersey City Blvd., Comn., Court House, Jersey City, sheet asphalt on 6 in. concrete paving East Blvd. $45,000. F. J. Radigan, Court House, c/o engr.

Pa., Harrisburg—July 26, by H. A. Sherk, supt. Streets & Pub. Impvts., Dauphin Bldg., curbing, concrete paving, 3 alleys, Brown, River and Zerker Sts.

Maryland — July 24, by State Roads Comn., Baltimore, concrete paving 0.59 mi. Contr. Wo-58, Worcester Co.—1.25 mi. Contr. P-73, Prince George Co.—0.91 mi. Contr. F-105, Frederick Co.—0.46 mi. Contr. Wo-59, Worcester Co.—concrete shoulders, penetration macadam resurfacing 1.51 mi. Contr. M-109, Montgomery Co. J. N. Mackall, chn.

Md., Baltimore—July 25, by Bd. Awards grading 10,000 cu.yd. Contr. 473; sheet asphalt paving 9,700 sq.yd. Contr. 472. N. L. Smith, hys. engr.

Florida—July 31, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee, grading 8.47 mi. Rd. 42, Project 738, and 9.45 mi. Rd. 96, Project 820, both Jefferson Co. J. L. Cresap, state hy. engr.

Ala., Birmingham—July 24, by A. J. Hawkins, city engr., sheet asphalt or Warrenite bitulithic paving 7,000 sq.yd. 20th St., $26,150—6,850 sq.yd. Finely Ave. from 1st St. to 3rd Pl. W., $27,675—6,850 sq.yd. Finely Ave., from 3rd Pl. to 8th St. W. $31,300.

Ala., Birmingham — Aug. 14, by City Comn., 2 in. asphalt on 6 in. concrete paving 750 ft. Bush Blvd. Alley W., 5th Alley N., and 8th Court W., $5,010; 25 blocks 27th Ave. N., 77th and Pulaski Sts., $116,100. A. J. Hawkins, city engr.

Ala., Jasper—July 27, by Bd. Revenue Walker Co., concrete with concealed deformed metal joint, or limerock asphalt on black, concrete, and limerock base paving 1 mi. hy. J. R. Smith, Jasper, engr.

Ky., Fulton—July 23, by T. Chapman, city clk., concrete paving 39,325 yd. Dist. 3, grading, curbing, guttering, sewers, paving 23,023 sq.yd. Dist. 4 Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Ohio—July 27 by H. J. Kirk, dir. Hys. Columbus, grading, paving roads in Ashtabula, Athens, Butler, Cuyahoga, Delaware, Erie, Fayette, Guernsey, Hamilton, Huron, Holmes, Jefferson, Lucas, Mahoning, Medina, Portage, Richland, Tuscarawas and Wood Counties.

O., Cleveland—July 25, by City, paving Marine Ave. from West 117th to 122nd Sts. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Newburgh Heights (br. Cleveland)—July 24, by Village, improving East 41st St. $34,000. R. Hecker, Leader Bldg., Cleveland, engr.

Ind., Anderson—Aug. 6, by Comrs. Madison Co., concrete paving 1 mi. James Madden Rd., Alexandria, 30 ft. $40,000. A. Steele, Anderson, engr.

Michigan — July 24, by R. W. Roberts, resident engr., Saginaw, graveling or waterbound macadam surface treated paving 3.011 mi. Assessment Dist. 469, 12 ft., Midland and Saginaw Counties, for State Hy. Dpt., Lansing.

Michigan — July 25, by G. H. Green, resident engr., Alpena, concrete paving 1.77 mi. MO16-16, C-1, 20 ft., Cheboygan Co., for State Hy. Dpt., Lansing. Noted May 31.

Michigan — July 25, by G. H. Green, resident engr., Alpena, graveling 5.938 mi. MO69-5, C-1, 18 ft., Otsego Co., for State Hy. Dpt., Lansing.

Michigan — July 25, by G. H. Green, resident engr., Alpena, concrete paving 1.803 mi. MO69-5, C-2 and MO5-14, 20 ft., Otsego and Antrim Counties, for State Hy. Dpt., Lansing.

Michigan — July 25, by H. G. Oakes, resident engr., Cadillac, concrete paving 1.201 mi. MO5-13, C-1, 20 ft., Antrim Co., for State Hy. Dpt., Lansing. Noted June 7.

Michigan — Aug. 1, by H. C. Fleming, resident engr., Grand Rapids, concrete paving, widening 1.131 mi. MO54-16, C-1, and MO54-17, C-1, 20 ft., Mecosta Co., for State Hy. Dpt., Lansing.

Michigan—Aug. 8, at Office Village Clerk, Lainsburg, concrete paving, widening 1.549 mi. M076-20, C-1, 20 ft., Shiawasse Co., for State Hy. Dpt., Lansing, R. W. Roberts, Saginaw, resident engr.

Michigan—Aug. 9, at office Village Clerk, Woodland, concrete paving city widening 1.005 mi. MO8-18, C-2, 20 ft., Barry Co., for State Hy. Dpt., Lansing. R. A. Beers, Kalamazoo, resident engr.

Michigan—Aug. 16, by R. R. Havens, resident engr., Jackson, concrete paving 3.823 mi. FO23-18, C-1, 20 ft., Eaton Co., for State Hy. Dpt., Lansing. Noted June 7.

Ill., Galesburg—See "Contracts Awarded."

Ill., Pana—See "Waterworks."

Ill., Princeton—See "Contracts Awarded."

Iowa—July 24, at office Auditor State Hy. Comn., Ames, **(P.R. means Primary Road)**, graveling 6.2 mi. P.R. 10, P-483, Bremer Co.—10 mi. P.R. 14, P-429 and 3.5 mi. P.R. 14, F-271, Floyd Co.—5 mi. P.R. 59, F-190, Howard Co.—13.5 mi. P.R. 9, P-82, Sects. A and B, Worth Co.—8.5 mi. P.R. 5, O-216-D, Worth Co.—9.5 mi. P.R. 15, F-267 and 2.6 mi. P.R. 15, P-387, Wright Co.—12 mi. P.R. 1, P-253, Washington Co.—9.5 mi. P.R. 1 and 77, P-220, Jefferson Co.—crushed stone surfacing 6 mi. P.R. 62, F-144 and crushed stone or gravel surfacing 4 mi. same road, Jackson Co.—grading, paving, flumes 30,692 sq.yd. U. S. Rd. 65, P-555-C, Worth Co.—4.055 mi. U. S. Rd. 63, F-216, Polk Co.—concrete riprap 2,865 sq.yd. P.R. 25 at Summit Lake, P-493, Union Co.—grading 4.163 mi. U. S. Rd. 63, P-89, Cerro Gordo Co.—4.273 mi. U. S. Rd. 69, P-588-B, Decatur Co.—6.483 mi. U. S. Rd. 34, P-512, Mills Co.—6.973 mi. U. S. Rd. 34, P-575-A, Montgomery Co.—7.049 mi. U. S. Rd. 55, O-177-F, Winneshiek Co.—9.053 mi. road 56, P-549-A, Clayton Co. R. F. White, hy. comr.

Ia., Osage—July 23, at office Auditor Mitchell Co., grading 18.76 mi. secondary roads.

Ia., Ottumwa—July 24, by E. J. Chambers, city clk., City Hall, 6 in. rein.-con. or gravel and limestone concrete paving

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Streets and Roads (Continued)

31,012 sy.yd. 15 streets. J. T. Brady, City Hall, engr. Noted June 7.

Kan., Meade—July 30, by W. M. Pressley, clk., Meade Co., grading, bridging 11.052 mi. Federal Aid Project 406-A, and 2.67 mi. Federal Aid Project 408-A, U. S. Rd. 54. H. L. Gilman, Court House, engr.

Kan., Meade—Aug. 6, by Clark Meade Co., grading, culverts, concrete paving 11.052 mi. Federal Aid Project 405-A, 30 ft. H. L. Gilman, Meade, engr.

Kan., Yates Center—Aug. 9, by Clerk Woodson Co., grading, culverts 6.22 mi. Federal Aid Project 367-C, 30 ft. H. O. Ashley, Yates Center, engr. Noted July 5.

Nebraska—July 25, by State Dept. P. Wks., State House, Lincoln (**F.A.P. means Federal Aid Project**) oiled gravel surfacing 1 mi. Chapman-Grand Island Rd., F.A.P. 303-A—1 mi. Havelock-Waverly Rd., F.A.P. 17—1 mi. Havelock-Ceresco Rd., F.A.P. 155-A—1 mi. Yutan-Wahoo Rd., F.A.P. 235-B—1 mi Scottsbluff-Bayard Rd., F.A.P. 236-B—rock asphalt surfacing 3,124 sq.yd. U.S. Hy. 75—graveling 6 mi. West Point-Pender Rd., F.A.P. 262-A. R. L. Cochran, hy. engr.

Arizona—July 30, by State Hy. Comn., Phoenix, grading 5.7 mi. Globe-Safford Hy., Federal Aid Project 87-C—grading, bridging, graveling 2.4 mi. Ash Fork-Flagstaff Hy., Federal Aid Project 89-B. W. C. Lefebvre, hy. engr.

Washington — July 31, by State Hy. Comn., Olympia, grading, crushed rock or gravel surfacing 1.2 mi. State Rd. 14, Federal Aid Project 168-A, Kitsap Co.—crushed gravel surfacing 17,450 cu.yd. State Road 9, Federal Aid Project 136-B, Jefferson Co.—clearing, grading, 4.6 mi. Asotin-Oregon State Line Rd., Anatone South, Anotin Co. S. J. Humes, hy. engr.

Wash., Seattle—Aug. 6, by Comrs. King Co., concrete paving 1.13 mi. Bellevue-Midlakes Rd., 20 ft. D. Evans, Seattle, co engr.

California—Aug. 1, by State Hy. Comn., Sacramento, grading, crushed gravel or stone surfacing 6.3 mi. road between west boundary and Orange Hill School, Mariposa Co.; grading, oil treated, crushed gravel or stone surfacing 3.5 mi. road between San Francisco and South San Francisco, San Mateo Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., El Monte—B. B. Moore, city clk., taking bids curbing, walks, 4 in. asphalt concrete paving 376,895 sq.ft., and 5 and 7 in. concrete paving 88,445 sq.ft. A. and I. Impvt. 1. J. C. Ellis, city engr.

Calif., Red Bluff—Supervs. Tehama Co., bids about Aug 15, constructing 6 mi. road between Bend Dist. and Susanville-Red Bluff Hy. to replace ferry now operating over Sacramento River, 20 ft. $41,075. C. A. Luning, Red Bluff, co. engr.

Calif., San Diego—July 30, by Common Council, grading, curbing, 6 in. concrete paving 164,928 sq.ft. Soledad Ave., 181,087 sq.ft. Sampson St. H. W. Jorgensen, city engr.

Calif., San Diego—July 30, by Common Council, grading, curbing, sidewalks, 6 in. concrete paving 128,423 sq.ft. Juan St. H. W. Jorgensen, city engr.

Calif., South Pasadena—July 25, by City Trustees, curbing, guttering, walks, asphaltic concrete paving 252,495 sq.ft. El Centro St.

Calif., South San Francisco—D. Mc Sweeney, city clk., taking bids grading, curbing, asphalt concrete paving Grand, Chestnut and Commercial Sts. To exceed $25,000. G. A. Kneese, Court House, Redwood City, engr.

Ont., Niagara Falls—July 25, by H. H. Beam, secy. Niagara Falls Suburban Area Com., 968 Robert St., 3 in. asphaltic concrete paving 44,080 sq.yd. Stamford Twp., near here. $125,000. Ross & Scott, 89 Main St. E., Welland, engrs.

Ont., Toronto—July 24, by S. McBride, mayor, City Hall, asphalt paving Rusholme, St. Annes and Old Kings College Rds., grading Cardiff Rd., concrete curbing Burnaby Blvd., concrete sidewalks on Jedburgh Rd., Weatherell St. and 10 avenues. $40,000. R. C. Harris, City Hall, engr.

B. C., Vancouver—Bids about Aug. 14, paving. C. Brackenridge, City Hall, engr. $200,000 voted. Noted June 7.

Contracts Awarded

Me., Augusta—Hy. Dpt., City Hall, rein.-con. paving Lincoln St., to A. Susi, 12 Richfield St., Dorchester, Mass. $37,550.

Vermont — State Hy. Dpt., Montpelier, graveling 5.2 mi. hy. in Sharon and Hartford, to James & Kerr, Rumford, Me., $184,599. Noted June 28.

Massachusetts—Dpt. P. Wks., Boston, bituminous macadam paving 2,400 ft. hy. in Burlington, to Kelsey Constr. Co., 161 Massachusetts Ave., Boston, $8,854—17,053 ft. Dighton and Taunton, and gravel, bituminous macadam paving 6,000 ft. Freetown, to C. E. Horne, Milbury. $113,171 and $13,418 respectively. Grand total $135,443. Noted July 5.

Mass., Boston—Dpt. P. Wks., sheet asphalt or bitulithic paving Willow St., Ward 21, to C. Capone, 11 Hemlock St., Roxbury, est. $25,000; bitulithic paving Adamson St., Ward 22, to A. G. Tomasello, 250 Stuart St., $34,308. Noted June 28.

Mass., Boston—Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt paving streets in Wards 4 and 5, to B. E. Grant, 77 Floyd St., Roxbury, $28,229. Noted July 5.

Mass., Boston—Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt paving Cambridge St., Wards 21 and 22, to J. McCourt Co., 910 Huntington Ave., $82,455.

Mass., Brighton (sta. Boston) — Dpt. P. Wks., Boston, bituminous macadam paving Riverside Dr., Chestnut Hill Park, to J. McCourt Co., 910 Huntington Ave., Boston. $17,300. Est. $25,000. Noted June 28 under "Boston."

R. I., Cumberland—Street Dpt., concrete paving 4,788 sq.yd. to T. J. Quinn & Son, Ashton. $19,999. Est. $25,000.

New York—A. W. Brandt, comr. Hys., Albany, (**e. e. means engrs. est.**), concrete paving 4.92 mi. Montgomery Co., to E. S. Smith, 1315 Dudley Ave., Utica, $217,666 e. e. $277,313—5.46 mi. Jefferson Co., to C. Soper, Seneca Falls, $197,672 e. e. $276,159—3.28 mi. Ontario and Steuben Counties, to Ingersoll & Barhite, Medina, $149,754 e. e. $208,455—3.59 mi. Wyoming Co., to Canty, O'Neal & Candell, Inc., 207 Woodward Ave., Buffalo, $169,493 e. e. $243,850—2.61 mi. Saratoga Co., to Westchester Constr. Co., Hyde Park, $168,478 e. e. $195,535—two course concrete paving 0.86 mi. Erie Co., to Rossney Contg. Corp., 532 Colvin St., Buffalo, $132,363 e. e. $132,695—bituminous macadam paving Columbia Co., to C. T. Wilkinson, 52 Orton Pl., Buffalo, $145,348 e. e. $202,954—8.56 mi. Essex Co., to Sweeney & Boland, 39 State St., Rochester, $371,458 e. e. $528,793—graveling 5.52 mi. Rensselaer Co., to J. M. Murray, Cherry Plain, $29,780 e. e. $58,100. Grand total $1,582,013. Noted June 21.

N. Y., Buffalo—Bd. Supervs. Erie Co., County Hall, rein.-con. paving Southwestern Blvd., Part 4, G. M. S. 205, to Harrison Eng. & Constr. Corp., Ellicott Sq., $67,000; Union Rd. North, C.A.T.H., G.M.S. 202, to Meyer & Meyer Corp., 27 Transit Rd., Depew, $105,164. Noted June 21.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to Asphalt Constr. Co., 2197 Madison Ave., granite block paving St. Anns Ave., $81,781—to Meehan Paving & Constr. Co., 90 West St., granite block repaving Westchester Ave. $107,394—to St. George Paving Co., 415 Lexington Ave., Morris Ave. $110,670—to Ammana Contg. Co., 3206 Webster Ave., grading Eames Pl. $6,280—to I. F. Cavaiuzzo, 1300 Cromwell Ave., Hone Ave., $4,830—to M. C. Selig Co., 44 Court St., Brooklyn, East 229th St., $7,292; curbing, walks Paulding Ave. $6,885; regarding Mulford Ave. $9,273. Grand total $334,405. Noted June 14.

New Jersey—Bd. Freeholders Hunterdon Co., Flemington, bituminous macadam paving 3.505 mi. Tewskbury Rd. between Califon and Pottersville, to Thompson & Drumm, Whitehouse, $70,804.

N. J., Hasbrouck Heights (Ind. br. Hackensack) — Boro Council, Municipal Bldg., curbing, 7½ in. bituminous macadam paving 40,000 sq.yd., Raymond St., Roosevelt, Cleveland, Division, Kepp, Central, Madison, Grove, La Salle, Ball and Alger Aves., to T. Adamwitz, East Patterson, curbing $2 per sq.yd., paving $1.67. Noted Apr. 12.

N. J., Hillside (br. Elizabeth)—Twp. Comn., Town Hall, resetting curbing, 3 in. sheet asphalt on 6 in. concrete paving Salem Ave., to Loprete Asphalt Co., 432 Amherst St., East Orange, $101,090. Noted July 5.

N. J., Midland Park — Paving Collings, Forest, East Terrace, Central and Lincoln Aves., to Toriello & Sansone Constr. Co., 28 Essex St., Hackensack, $12,071; storm drains, to Midland Constr. & Contg. Co., Inc., Rochelle Park, $13,193. Noted July 5 under "Midland."

N. J., New Milford—Bd. Boro Council, Municipal Bldg., paving Harvard St. and Baldwin Ave., to W. Burns, Cresskill, $8,218 and $13,340, respectively—Berkeley St., to G. M. Brewster & Son, Fort Lee Rd., Bogota, $12,320. Grand total $33,878. Noted July 5.

N. J., New Milford—Bd. City Council, improving Charles St., to Ufheil Constr. Co., New Milford Rd., Ornadell, $27,219. Noted June 7.

N. J., North Bergen (Ind. br. Newark)—Twp. Com., Town Hall, paving Marks and Hillcrest Pls., to Clinton Asphalt Co., 16th St., Union City, $81,000. Noted July 12.

N. J., Somerville—Bd. Freeholders Somerset Co., Court House, 7 in. rein.-con. paving East Main St., to Collins & Maxwell, Easton, Pa., $77,824; East High St., to Utility Constr. Co., 5 Sring St., New Brunswick, $12,735. Noted May 17.

N. J., Union—Twp. Com., Town Hall, resetting curbing, 6 in. rein.-con. paving Park and Union Terraces, to Decker & Canning Co., Falls Bldg., Union Center, $17,604. Noted June 21.

N. J., Union—Twp. Com., Town Hall, resetting curbing, 6 in. rein.-con. paving May St., Pleasant Parkway, Edison and Edmund Terraces, to Decker-Canning, Falls Bldg., Union Center, $34,698. Noted July 3.

N. J., Union—Twp. Comn., Town Hall, resetting curbing, 6 in. rein.-con., paving Lorraine Ave., and Midland Blvd., to Decker-Canning Co., Falls Bldg., Union Center, $40,283. Est. $43,000. Noted May 3.

Pennsylvania—State Hy. Comn., Harrisburg, rein.-con. paving 23,342 sq.yd. Indiana Co., and 37,600 sq.yd. Allegheny Co., to Yost Constr. Co., $96,559 and $182,417 respectively—14,100 sq.yd. Washington Co., to Hardy & Rankin, 40 Murdock St., Canonsburg, $68,903—grading, 13,400 cu.yd. Indiana Co., to H. C. Lacey, Beuna Vista, $18,451. Grand total $366,360. Noted May 31.

Pa., Emsworth (mail Pittsburgh)—General contract grading, paving Orchard Ave., Vista, Courtney and Pittsburgh Sts., to M. O'Herron Co., South 15th and McKean Sts., Pittsburgh. Est. $25,000.

Maryland—State Roads Comn., Baltimore, graveling 2 mi. St. Marys Co., to T. Mullan, 3945 Greenmount Ave., Baltimore, $20,446—concrete shoulders 1.93 mi. Washington Co., to Bester, Long Co., Hagerstown, $16,675—2.05 mi. Harford Co., to P. Reddington & Sons, 2 East Lexington St., Baltimore, $15,696—0.4 mi. Prince George Co., to M. Cain Co., 13 6th St. N. E., Wash., D. C., $2,986—concrete shoulders, macadam resurfacing 1.7 mi. Montgomery Co., to J. P. Maher, 4324—15th St. N. W., Wash., D. C., $21,440—penetration macadam paving 1 mi. Montgomery Co., to P. E. Russell, Frederick, $20,960 — bituminous concrete paving 3.7 mi. Howard Co., to J. L. Robertson Co., Montebello Ave., $45,889—2 mi. Montgomery Co., and 0.4 mi. Prince George Co., to Corson & Gruman Co., 33rd and K Sts., Wash., D. C., $23,034 and $3,885 respectively. Grand total $171,011. Noted June 21 and July 5.

Maryland—State Roads Comn., Baltimore, penetration macadam paving 1 mi. Montgomery Co., to P. E. Russell, Frederick, $30,446. Noted June 14.

Maryland—State Roads Comn., Baltimore, concrete paving 3.77 mi. Montgomery Co., to G. B. Mullin Co., 1296 Upshur St. N.W., Wash., D. C., $127,764—0.97 mi. Montgomery Co., to L. R. Colbert, Fredericksburg, Va., $21,998. Noted July 12.

Md., Baltimore—Bd. Awards, sheet asphalt paving 10,350 sq.yd. Contr. 468, to Amer. Paving Co., Montebello Ave., $48,675; grading 5,700 sq.yd., to W. A. Potts, New Amsterdam Bldg., $21,425. Noted June 28.

West Virginia—State Hy. Dpt., Charleston, grading 6.716 mi., Project 164-D, Hampshire Co., to Marrara & Albright, Kingwood, $84,926; grading 3.5 mi. Project 165, Monongalia Co., to E. L. Carvin, Charleston, $45,345.

W. Va., Charleston—Kanawha Co., concrete paving 1.72 mi. Beam-Indian Creek Rd., and 2 mi. Coopers Creek Rd., to Brown & Floyd, Charleston, $39,442 and $46,667 respectively 1.6 mi. Charleston-Bream Rd., to Harrison & Dean, Huntington, $40,196. Grand total $126,305.

South Carolina—State Hy. Dept., Columbia, concrete paving 10.284 mi. Cherokee Co., to Crowell Constr. Co., Statesville, N. C., $252,055. Noted Dec. 1.

Georgia—State Hy. Bd., East Point, concrete paving 50 mi. Hy. 1 between Swainsboro and Altamaha River, to Whitley Constr. Co., La Grange, $900,000—asphalt on limerock paving 10 mi. hy. between Macon and Grays, to Campnell Constr. Co., Columbus, $150,000.

La., Cresco—Howard Co., graveling 9.5 mi. road, to R. Larson, Stewartville, and M. O. Weaver, Iowa Falls.

Ky., Hardinsburg — Grading, rein.-con. paving 14,068 sq.yd. Court Pl., Owensboro Ave., Depot and Main Sts., to Andrews Asphalt Paving Co., Inter-Southern Bldg., Louisville, $42,670.

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Streets and Roads (Continued)

Ky., Princeton—Paving 25,000 sq.yd., to C. Hart, Boonville, Ind.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete paving 5.181 mi. Columbiana Co., to Lewis & Copeland, Lima, $137,371—1.186 mi. Stark Co., to Laughlin Coal & Builders Supply Co., 223 Park Ave. N.W., Canton, $53,626—3 in. brick paving 1.675 mi. Stark Co., to General Asphalt Paving Co., Witters Bldg., Canton, $94,318—3 in. brick paving Trumbull Co., to V. Olsen Co., Youngstown, $82,379—furnishing, delivering brick on same contract to Dept. Welfare, Columbus, $21,805. Grand total $400,499. Noted June 21.

O., Akron—Summit Co., grading, 9-7-9 in. concrete repaving 21,500 sq.yd. Hudson-Cleveland Rd. C.H. 25, Sect. C, to Hollinger & Davidson, 85 East Thornton St., $61,163 (slag). Est. $68,000.

O., Cincinnati—Grading, curbing, concrete repaving 5,200 sq.yd. May St., to Sullivan Bros. Paving Co., 201 Gerke Bldg., $22,757 est. $26,088, 30,500 sq.yd. Delta Ave., to Andrews Asphalt Paving Co., 308 Eagles Saving Bldg. $108,556 est. $125,387; curbing, sidewalks, 17,500 sq.yd. sheet asphalt and 7,000 sq.yd. concrete repaving Reading Rd., to General Asphalt Paving Co., Witters Bldg., Canton, $76,077 est. $90,543. Grand total $207,390. Noted June 7.

O., Cincinnati—Hamilton Co., grading, asphaltic macadam repaving 18,200 sq.yd. Springdale Rd., to C. Dumford, Newtonsville, $41,270. Est. $53,290.

O., Cincinnati—Hamilton Co., grading, asphalt bound macadam repaving 17,500 sq.yd. Pippin Rd., to J. S. Slone, 2312 Mound Ave., Norwood, $50,355. Est. $61,-235. Noted June 14.

O., Columbus—Comrs. Franklin Co., R. Donnally clk., grading, waterbound macadam paving 2.77 mi. Georgesville and Wrightsville Rd., in Pleasant and other Twps., to Neff & Rader, Circleville, $48,883. Noted June 21.

O., Euclid (br. Cleveland)—To Gould & Maybach, 16311 Saranec Rd., Cleveland, vibrated concrete paving East 230th St. $6,626; brick paving East 238th St. $21,092, East 246th St. $23,161, asphalt concrete paving Arms Ave. $10,463. Grand total $61,342.

O., Fairview (br. Cleveland)—Paving Stanford and Belvidere Aves., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $23,143 and $18,619 respectively.

O., Lakewood (br. Cleveland)—To Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland, asphaltic concrete paving Atkins Ave. $10,067; Woodward Ave. $7,-307; Seneca Ave. $12,532; Edgewater Dr. $4,659. Grand total $34,565. Noted June 28.

O., South Euclid (br. Cleveland)—Asphaltic concrete paving 4 streets, to Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland, $109,489. Noted June 21.

O., Steubenville—Jefferson Co., widening, traffic bound paving Irondale Narrows and Irondale Hill, to Stringer & Stringer, Rayland, $26,720. Noted June 21.

Indiana—J. D. Williams, dir. State Hy. Dpt., Indianapolis, concrete paving 0.155 mi. State Rd. 30, Lake Co., to Reith-Riley Constr. Co., Goshen, $28,153.

Ind., Anderson—Madison Co., concrete paving 1½ mi. Fesler Rd., 18 ft., to W. C. Halstead Co., 1041 West 25th St., Indianapolis, $34,700. Est. $38,000. Noted June 28.

Ind., Chesterton—Concrete paving Graessel Rd., to G. McGillicuddy, Valpariaso, $38,261.

Ind., Hammond—Comrs. Lake Co., concrete paving Sanil Abalman Rd., to East Chicago Constr. Co., East Chicago, $135,865 est. $137,000; Thos. H. Cannan Rd. 1, to M. D. Heiny, Gary, $142,317. Est. $143,655.

Ind., Hammond—Lake Co., concrete paving Thos. H. Cannon Rd., 2, to M. D. Heiny, Gary, $68,000. Est. $69,995.

Michigan—R. A. Beers, resident engr., Kalamazoo, concrete paving 4.889 mi. MO3-17, C-1, 20 ft., Allegan Co., to Remus Constr. Co., Bay City, for State Hy. Dpt., Lansing, $153,283. Noted May 17.

Michigan—C. H. Brown, resident engr., 14380 Wyoming Ave., Highland Park, graveling 0.753 mi., and concrete paving 6.046 mi. Assessment Dist. Rd. 462, Sect. A. 20 and 30 ft., Oakland and Macimb Counties, to Meredith & McVaugh, Detroit, $180,954. Noted June 7.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 1.916 mi. MO41-15, C-2, 20 ft., Kent Co., to L. W. Edison, Howard City, for State Hy. Dpt., Lansing. $66,665. Noted May 24.

Michigan—R. R. Havens, resident engr., Jackson, concrete paving 2.665 mi. MO19-13, C-1 and MO23-2, C-1, 20 ft., Clinton and Eaton Counties, to Whitlow & Hobeck, South Haven, for State Hy. Dpt., Lansing, $79,543. Noted June 7.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 4.708 mi. MO76-11, C-1, 20 ft., Shiawassee Co., to C. C. Miline, Saginaw, for State Hy. Dpt., Lansing. $148,239. Noted May 24.

Michigan—State Hy. Dpt., Lansing, sheet asphalt paving 7.069 mi. MO5-3, C-2, 20 ft., Antrim Co., to State Constr. Division, Lansing, A. L. Burridge, Cadillac, supt., $129,258.

Mich., Detroit—Wayne Co., concrete paving 13,000 sq.yd. Outer Dr., to Julius Porath & Sons, 903 Transportation Bldg. Est. $50,000.

Mich., Monroe—W. Heiss, chn. Monroe Co. Road Comn., one course 8 in. concrete paving 4.59 mi. Harpst Rd., to W. H. Knapp Constr. Co., Monroe, $104,420; 8 in. concrete paving 5.2 mi. Cole Rd., to M. Rabbitt & Sons, 1026 Water St., Toledo, O., $109,347. Noted June 28.

Mich., Port Huron—One course 8 in. concrete paving 40,000 sq.yd., to J. H. Baker & Sons, Port Huron, $120,810. Noted July 5.

Ill., Alton—Concrete paving Green, Putnam, Gold and Silver Sts., to J. B. Miller, 519 Belle St., $28,208. Noted Mar. 29.

Ill., Belleville—Rein.-con. paving 21,762 sq.yd. 4 streets, to Hoeffken Bros., 222 West B St., $62,498; 6,054 sq.yd. 2 streets, to A. P. Poirot, 721 East Washington St., $6,054.

Ill., Galesburg—Knox Co. Hy. Dept., grade 2 mi. S. A. Rd., 20 ft., day labor. $25,000. A. R. Smith, Court House, engr.

Ill., Peoria—Grading, curbing, 7 in. rein.-con. paving 13 blocks 1 alley, Ellis and North Sts., Hanssler Pl., Gilbert, Molchin and West Carrington Aves., to E. Lehmann, Lehmann Bldg. Est. $44,057.

Ill., Peoria — Grading, 7 in. rein.-con. paving 12 blocks alley, West Wilcox, Wisconsin, Melbourne and California Aves., to McElwee & Rogy, 926 South Adams St. Est. $42,792. Noted Mar. 8.

Ill., Princeton—Bureau Co. gravel 5 mi. 15-D Rd., 16 ft., day labor. R. L. Schoenberger, Princeton, engr. Noted Mar. 17, 1927.

Wisconsin — State Hy. Comn., and Sheboygan Co. Hy. Comn., Court House, Sheboygan, 20 ft. concrete paving 6.32 mi. Project 346-C, to Christ Johnson, Oshkosh, $108,698. Noted June 14.

Wis., Madison—Dane Co. Hy. Comn., J. R. Caldwell, comr., concrete paving 0.296 mi. Glenway Rd., to J. Icke, Madison, $6,496; graveling 1.6 mi. County Trunk G, Town of Springfield, to O. J. Hanna, Mt. Horeb, $10,373, 1.624 mi. Town of Vermont, to W. J. Lathers, Jr., Madison, $6,384, 6.5 mi. Town of Windsor, to G. Hughes, Livingston, $7,293, 3.75 mi. Town of York, and 6,650 cu.yd. other roads, to Berg & Thorpe, Cambridge, $1,725 and $8,765 respectively, 3.75 mi. Town of Vienna, to A. W. Gallagher, R. F. D. 5, Madison, $4,770; concrete culvert, to O. Nelson, Stoughton, $748. Grand total $46,554.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Bartel & Maurer Co., 925 Muskego Ave., grading alley between Quincy and Taylor Sts. $16,360—to A. E. Retzlaff, 868 Island Ave., concrete paving Appleton Ave. $31,197; Girard Ave. $18,543; St. Paul Ave. $3,804—to H. R. Houtkamp, Milwaukee, Burnham St. $173; 37th Ave. $117—to J. C. Bluhm & Son, 1299 Achilles Ave., 8th St. $4,873; Nash St. $8,469—to Gumz & Switalski, 831-13th Ave., 11th Ave. $32,727, Forest Home Ave. $9,823—to Schwerm Bros., 50 Lee St., Hawley Rd. $278—to W. F. Hunt, 445 Milwaukee St., Lapham St. $4,558; Sherman Blvd. $31,541; 32nd Ave. $27,482—to Czerwinski Constr. Co., 816 Clinton St., Oklahoma Ave. $29,-437; Winton Dr. $6,356—to N. Harris, Girard and St. Albion Sts., South Prospect Ave. $3,936—to Eastern Constr. Co., 878 Franklin Rd., Clinton St. $2,539. Grand total $232,213.

Iowa—State Hy. Comn., Ames, grading, paving 35,284 sq.yd. Dubuque Co., to Ulrich-Paley Co., Dubuque, $77,781—227,882 sq.yd. Howard Co., to Metz Constr. Co., Springfield, Neb., $526,088 — 50,326 sq.yd. Warren Co., to Des Moines Asphalt Paving Co., 2nd and New York Sts., Des Moines, $121,293—grading, culverts 24.422 mi. Jackson Co. to Shirley-Caldwell Co., 315 Union State Bank Bldg., Omaha, Neb., $134,307—9.723 mi. Pottawatomie Co., to E. J. Wilson, Omaha, Neb., $58,972—graveling 1.36 mi. Harrison Co., to Lynch & Co., Castana, $3,375—38 mi. Plymouth Co., to H. R. Maudlin, Nevada, $52,498—5,200 ft. guard rail on U. S. 61, Des Moines Co., to G. Cronkhite, Perry, $1,086—3,175 ft. guard rail on Primary Roads 15 and 60 and 1,025 ft. on U. S. Rd. 20, Hamilton Co., to Hirt & Loder, Jewell, $1,452. Grand total $976,852. Noted July 5.

Ia., Algona—Kossuth Co., graveling 19 mi. Secondary Projects 67, 94, 95, 97, 103, 104 and 109, also maintenance graveling sections secondary roads, to W. B. Williams, Algona, W. D. Knoll, Buffalo Center, J. W. Donnelly, Gilmore City, R. Cook, Nevada, and W. D. Woods, Prairie du Chien, Wis.

Ia., Cedar Rapids—To Haegg Constr. Co., 1105-12th Ave. W., rein.-con. paving 5,730 sq.yd. G Ave. $13,197—to Ford Paving Co., Merchants Natl. Bank Bldg., 1,733 sq.yd. 26th St. $4,939; concrete paving alleys $6,-055; curbing, guttering H and D Aves. $2,432. Grand total $25,783.

Ia., Cresco—Howard Co., graveling 9.5 mi. roads, to R. Larson, Stewartville, Minn., and M. O. Weaver, Iowa Falls. Noted June 7.

Ia., Dakota City—Humboldt Co., to D. Paul, Ft. Dodge, improving secondary roads, 8,500 cu.yd. gravel at $0.22 per cu. yd., 56,750 units overhaul $0.06, 3,400 cu.yd. stripping $0.12; to G. W. Little, Humboldt, 10,000 cu.yd. earth excav. $0.217, 260 ft. 12 in. pipe $0.30, 120 ft. 15 in. pipe $0.35, 3,617 yd. overhaul $.02, loose rock excav. $1.

Ia., Ft. Dodge—Webster Co., graveling 11.67 mi. secondary roads, to M. Munson, Boone, and H. Miller, Hartley. Noted June 7.

Ia., Knoxville—Marion Co., to D. Kraus, Pleasantville, improving secondary roads, 30,000 cu.yd. earth excav. at $0.25 and $0.26 per cu.yd., 20 cu.yd. loose rock $1, and 20 cu.yd. solid rock $2; to E. McDonald, Albia, 22,100 cu.yd. earth $0.259, 10 cu.yd. loose rock $1.25, 10 cu.yd. solid rock $2.50; to H. Whittmer, Monroe, 1,900 cu.yd. earth $0.24, 10 cu.yd. loose rock $0.30. Noted June 7.

Ia., Newton—Jasper Co., to R. W. Herbert, Marshalltown, improving Reasoner-Galesburg Co. Rd., 58,300 cu.yd. excav. at $0.228 per cu.yd., 200 cu.yd. rock excav., $0.50. Noted June 21.

Ia., Orange City—Sioux Co., to Lynch & Co., improving secondary roads, 16,272 cu.yd. earth excav. at $0.23 per cu.yd., 3,422 units overhaul $0.02; to C. W. McNamara, Sioux Falls, S. D., 21,621 cu.yd. excav. $0.20, 255 ft. 18 in. culvert labor $0.15 per ft., 124 ft. 24 in. $0.25, loose and solid rock $1 and $2. Noted May 24.

Ia., Sigourney—Keokuk Co., to Swanson Constr. Co., Keokuk, grading 5.155 mi. South English-Kinross Rd., 51,118 cu.yd. earth excav. at $0.2475 per cu.yd., 22,355 cu.yd. overhaul $0.02, 914 ft. 15 in. and 18 in. culvert pipe hauled and placed $0.30 and 40 ft. 24 in. $0.40.

Ia., Sioux City—Woodbury Co., to E. V. Martin, Ames, grading 6.33 mi. Oto-Luton Rd., 127,605 cu.yd. earth excav. $0.184, 108,358 units overhaul $0.02, clearing, grubbing $2,180. Noted June 21.

Ia., Spencer—Clay Co., graveling 44 mi. primary and secondary roads, to Heldt & Mills, Everly, and W. D. Ferguson, Paton.

Ia., Storm Lake—Buena Vista Co., to Sampson Bros. Constr. Co., Algona, improving 12 mi. Project 8-AI, 5,850 cu.yd. gravel at $0.30 per cu.yd., 16,650 units overhaul $0.07, 21,950 units $0.65, 2,000 cu.yd. stripping $0.18; to Hartsell & Evans, Early, 1,750 cu.yd. gravel $0.39, 11,175 units $0.075, 450 cu.yd. stripping $0.18.

Ia., Toledo—Tama Co., to G. H. Love, Slayton, Minn., grading 8.75 mi. Clutiir Rd., 90,500 cu.yd. earth excav. at $0.223 per cu. yd., 2,104 cu.yd. channel excav. $0.30, 272 cu.yd. rock excav. $0.25, 50,000 units overhaul $0.02, 2,000 ft. culvert pipe $0.05, clearing $1,000.

Ia., Vinton—Benton Co., improving 27.75 mi. secondary roads, crushed rock surfacing, to McDougal Constr. Co., Sioux City, gravel surfacing, to L. H. Holscher, Victor, and Beu & Sons, Sumner; grading 1 mi. road west of Keystone, to G. Longerbone, South West 15th and Market Sts., Des Moines.

Ia., Winfield—Curbing, guttering, 6½ or 7 in. vibrolithic concrete paving 38,244 sq.yd., to P. P. Smith, 1600 Washington Ave., Cedar Rapids, $92,802. Noted June 7.

Minn., St. Paul — K. L. Fieseler, city purch. agt., grading 19,210 cu.yd., rein.-con. paving 11,647 sq.yd. Como and River Blvds., to Garrick Bros., 779 Portland Ave., $42,500.

Minn., Shakopee—A. J. Meyer, aud. Scott Co., improving Job 2803, grading 90,000 cu.yd., to J. J. & M. S. Mergens, 400 Gateway Bank Bldg., Minneapolis, $20,889; 5 monolithic culverts, to B. Zachor, Shakopee, $8,298; 6 portable culverts, to Elk River Concrete Products Co., Elk River, $3,893. Grand total $33,080. Noted May 17.

Minn., Virginia—Repaving 12 blocks 3rd Ave., to C. A. Johnson, Virginia, $52,000.

Kan., Council Grove—Morris Co., grading, culverts 4.932 mi. 50N-25-Federal Aid Project 257-E, to Meade-Hardman, Alton, $30,-165. Noted June 21.

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Streets and Roads (Continued)

Kan., Girard—Crawford Co., grading, chat surfacing Hepler-Short Line Hy., to Carter & O'Brien, St. Paul, $27,576.

Kan., Lawrence—F. L. Lawrence, city clk., curbing, guttering, 6 and 7 in. concrete paving 18,465 sq.yd., to Geiger & Rutherford, Leavenworth, $49,952. Noted June 21.

Kan., Seneca—Clerk Nemaha Co., grading, culverts 5.612 mi. Project 9-25-Kansas 592, to Interstate Constr. Co., Fairbury, Neb., $35,786. Noted June 7.

South Dakota—State Hy. Comn., Pierre, grading 5.225 mi. Project 218-B, Jackson Co., to N. W. Engineering Co., Kadoka $51,213—11.346 mi. Project 231-A, Stanley Co., to G. W. England & Son, Murdo $45,882—graveling 14,989 cu.yd. Project 194-A, Hand Co., to E. J. Maloney, Madison $21,948—bridge on Project 231-A, Stanley Co., to W. H. Pringle, Pierre $14,077. Grand total $133,120. Noted Apr. 19.

N. D., Minot—G. A. Reishus, city aud., paving 38 blocks, to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., St. Paul, Minn. Est. $133,312. Noted July 12.

Wyoming—State Hy. Comn., Cheyenne **(F.A.P. means Federal Aid Project)**, grading F.A.P. 184-B, Lincoln Co. to C. A. Robinson, Lava Hot Springs, $34,692—F.A.P. 198-A, Goshen Co., to Peterson, Shirley & Gunther, 1411 Woodmen of the World Bldg., Omaha, Neb., $60,667—F.A.P. 189-B, Johnson Co., to A. C. Smith, Scotts Bluff, Neb., $65,647—State Project 721, to J. Tobin Constr. Co., Madison, S. D., $27,258—F.A.P. 162-A, Freemont Co., to Scott & Curley, Sterling, Colo., $92,306—bridges F.A.P. 198-A, Goshen Co., to C. A. Neil, Plattville, Colo., $27,350. Grand total $307,-921. Noted May 24.

Mo., Joplin—Bituminous on present brick repaving, 16,500 sq.yd. Main St., to Granite Bituminous Paving Co., 1618 Main St. Noted June 24.

Mo., Kansas City—Grading, concrete paving Winner Rd. from Blue Ridge to Van Horn Rds., to J. Spitcaufsky, 2452 Benton Blvd., $41,970.

Mo., St. Louis—Bd. P. Serv., City Hall, to Skrainka Constr. Co., Security Bldg., vibrolithic concrete paving 5,000 sq.yd. Darby Ave. $22,633, to Alfred Lewald, Inc., 6025 West Cabanne Ave., 1,830 sq.yd. Steffens St. $10,094, 2,205 sq.yd. 37th St. $10,130; to Trinidad Mfg. Co., 600 South Theresa Ave., asphalt paving 6,200 sq.yd. Watson Rd. $39,995, to M. L. Flinn Paving Co., 728 South Theresa Ave., 7,680 sq.yd. Southwest Ave. $46,659; to Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving 7,660 sq.yd. Southwest Ave. $53,915, 4,100 sq.yd. Taylor Ave. $18,740; to C. A. Moreno, Syndicate Trust Bldg., asphaltic concrete paving 870 sq.yd. Lena Ave. $4,983. Noted July 12

Ark., Prescott—Bd. Comrs. Impvt. Dist. 5, J. S. Hesterly, chn., grading, 6 in. rein.-con., paving 19,000 sq.yd., to Arkansas General Contg. Co., Prescott, $59,893. Noted June 14.

Texas—State Hy. Dpt., Austin, concrete paving 7.552 mi. Falls Co., to R. W. Briggs & Co., Pharr, $163,383, est. $144,000—concrete or brick on concrete paving 7.858 mi. Taylor, Callahan and Jones Counties, to Thurber Constr. Co., Boxx 835, Ft. Worth, $188,573, est. $216,000—grading 8.516 mi. Montgomery Co., to Hannah Constr. Co., Box 994, Waco, $39,752, est. $30,600. Grand total $391,708.

Tex., Brownsville—Cameron Co., to F. P. McElwrath, Harlingen, concrete paving 7.2 mi. Southwest Rd. $143,670, 8 mi. A-13 Combes-Santa Rosa and Santa Rosa West Rds. $156,649, 9.4 mi. Military Rd. $202,-682, 5 mi. A-12 south line Wilson Tract Rd. $94,741, 2.5 mi. A-11 Briggs Rd. $50,485, 4 mi. A-9 Peredes Line Rd. $46,963, and 4 mi. A-8 Old Alice Rd. $46,963; to Dodds & Wedegartner, Box 858, San Benito, 6.7 mi. A-10 Blue Town and Military Rds. $133,544. Grand total $875,707. Noted June 21.

Tex., Kermit—Winkler Co., 1½ in. sheet asphalt paving 12 mi. hy., to L. W. Phelphrey & Co., Breckenridge, $426,163. Noted June 21.

Tex., Laredo—Webb Co., grading, caliche on gravel paving 12½ mi. hy., to H. B. Zachary, Laredo, $90,000.

Tex., Raymondville—Willacy Co., c/o A. B. Crane, judge, 1 in. limestone rock asphalt on concrete paving 14.6 mi., to F. P. McElwrath & Son, Corsicana, $336,242. Est. $350,000. Noted June 14.

Okla., Ada—Grading, 6 in. concrete paving 9,875 sq.yd. 16th and 17th Aves., to Chilcutt & Fry Bros., Ada, $32,460. Est. $33,000. Noted April 12.

Okla., Cement—Grading, concrete paving 10,000 sq.yd. Main St., to Highway Constr. Co., Kennedy Bldg., Tulsa, $32,947. Est. $33,810. Noted June 28.

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Okla., Enid — Grading, concrete paving 9,610 sq.yd. East, Oklahoma and Lake View Sts., to Asplund Constr. Co., Masonic Bldg., $28,462. Est. $31,478.

Okla., Oklahoma City—Oklahoma Co., to Maney & Alley, Empire Bldg., graveling 9,600 cu.yd. West 10th Street Rd., $48,911, est. $55,000—to Green-Boots Co., 519½ West Main St., 11,800 cu.yd. West Edmond Rd., $67,507, est. $75,000; 3,200 cu.yd. North Eastern Avenue Rd., $23,646 est. $25,000; 3,100 cu.yd. East 63rd Street Rd. $23,511 est. $26,000; 16,300 cu.yd. East Avenue G Rd., $57,076 est. $65,000; 39,300 cu.yd. East G Avenue Rd., $24,544 est. $30,000. Grand total $245,195.

Okla., Shawnee—Grading, sheet asphalt paving 16,100 sq.yd. North Union Ave., to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $68,345. Est. $70,000.

Okla., Tulsa — Grading, sheet asphalt paving 7,600 sq.yd. Independence St., to H. L. Cannady & Co., 1122 South Lewis St. $30,223, est. $34,000; grading, concrete paving 11,670 sq.yd. Zuler St., to Porter Constr. Co., 114 West 3rd St., $30,660 est. $35,000.

Colorado—State Hy. Dept., Denver, concrete paving 5.087 mi. Project 287-A, Constr. Div. 4, Morgan Co., to E. Selander, Ft. Morgan, $120,506—gravel surfacing 4.502 mi. Project 253-C, Routt Co., to Mountain States Constr. Co., Pueblo, $88,-108. Noted May 10.

Idaho—Dpt. P. Wks., Boise, screened gravel surfacing 7 mi. Caribou Co., to Quinn Bros. & Robbins, Horseshoe Bend, $17,301—crushed gravel surfacing 10.18 mi. Clark Co., to Duffy Reed, Twin Falls, $9,667—4.393 mi. Bannock Co., to Allsop & Pond, Grace, $11,885. Grand total $34,853.

Idaho—Dept. P. Wks., Boise, grading, crushed rock surfacing 5.172 mi. Latah Co., to C. Nyberg, 407 Realty Bldg., Spokane, Wash., $36,223.

Idaho—State Hy. Comn., Boise, crushed graveling 5,940 cu.yd. State Aid Project 110-B, Franklin Co., to Allsop & Pond, Grace, $23,930—grading 8.276 mi. Project 132-A, Jefferson Co., to E. Drummie, Downey, $11,723.

Idaho—J. D. Wood, comr. Dpt. P. Wks., at office Dist. Engineer, Bureau of Hys., Coeur d'Alene, crushed rock surfacing 7.272 mi. Federal Aid Project 101-B, Benewah and Kootenai Counties, to C. Nyberg, Realty Bldg., Spokane, Wash., $68,723—5.801 mi. State Project 31-B, Kootenai Co., to Crick & Kuney, 402 Realty Bldg., Spokane, Wash., $51,764.

Arizona—State Hy. Comn., Phoenix, grading, constructing steel, concrete bridge 7.5 mi. Federal Aid Project 79-D, Schedule 2, to H. H. Johnston, San Diego, Calif., $70,036. Noted June 7.

Washington—State Hy. Comn., Olympia, grading 2.06 mi. Project 167-B, Wahkiakum Co., to John Slotte & Co., Astoria, Ore., $102,960.

Washington—State Hy. Comn., Olympia, concrete paving 0.39 mi. Pierce Co., to Albertson, Cornell Bros., Walsh, Inc., 1113½ "A" St., Tacoma, $16,046—crushed rock resurfacing 10,000 cu.yd. Stevens Co., to Rock Constr. Co., Courtney Bldg., Tacoma, $14,-900—crushed rock surfacing 2,530 cu.yd. Wahkiakum Co., to Brookfield Quarry & Towage Co., 32nd St. and Waterfront, Astoria, Ore., $14,945—crushed graveling 5,550 cu.yd. Whatcom Co., to R. L. Rowland, P. O. Box 63, Seattle, $7,418. Grand total $53,309. Noted June 14.

Washington—Pierce Co., grading, graveling Steilacoom-DuPont Hy., to Edland & Burger, Tacoma, $28,005. Est. $22,655.

Wash., Aberdeen—Concrete paving 20 blocks Terrace Heights Dist., to Monarch Constr. Co., Aberdeen, $54,327. Est. $60,000.

Wash., Seattle—Bd. P. Wks., paving 13,-660 sq.yd. East 75th St., to Erickson Paving Co., Henry Bldg., $38,118; 80,610 sq.yd. 45th Ave. S.W., to S. A. Moceri, Inc., 924 23rd Ave., centrifugal cast, $196,222.

Wash., Seattle—King Co., grading, graveling 45,000 cu.yd. Stillwater-Snohomish Co. line Rd., to Espeland & Hauge, Seattle, $26,900. Est. $27,000. Noted June 19.

California—State Hy. Comn. Sacramento, grading, concrete paving 11.6 mi. Ventura Co., to Jahn & Bressi Constr. Co., 724 South Spring St., Los Angeles, $468,-325; grading 7.2 mi. San Diego Co., to Hauser Constr. Co., Security Bldg., Long Beach, $237,626. Noted July 19.

Calif., La Mesa—Bd. City Trustees, improving Allison and other streets, to R. E. Hazard Contg. Co., 2548 Kettner St., $61,-216. Noted June 28.

Calif., Los Angeles — Grading, curbing, guttering, concrete, Willite paving, Estrada and Concord Sts., Impvt. Dist., to G. H. Oswald, 366 East 58th St., $62,435. Noted June 28.

Calif., Los Angeles—Concrete paving, sewers in Rock Glen and Delaware Ave. Sewer & Drainage Dist., to Simonovich & Prlich, 12513 Sunset Blvd., $38,245.

Calif., Los Angeles—Grading, curbing, walks, 6 and 8 in. vibrolithic concrete paving 111,955 sq.ft. Pomona Blvd., A. & B. to J. E. Haddock, 357 North Chester Ave., Pasadena, $47,820; disintegrated rock subbase paving La Brea Ave., Impvt. 729, to H. M. Baruch Corp., Lincoln Bldg., $39,-025. Noted June 7.

Calif., Los Angeles—Grading, 4 and 6 in. asphaltic concrete paving Clybourn Ave., to Gibbons & Reed Co., 2022 Glendale Blvd., $18,812; grading, 6 in. concrete paving 12th St., to G. R. Curtis Paving Co., 2440 East 26th St., $11,391.

Calif., Los Angeles—Los Angeles Co., grading, curbing, walks, 4 in. disintegrated rock with oil and rock surfacing 261,149 sq.ft. Pine Ave., Impvt. 584, to V. Kovacevich, 1553 Loma Ave., Long Beach, $57,416.

Calif., Oakland — Alameda Co. concrete paving inside Estuary Tube, to A. E. Anderson, 1093 Longride Rd., $33,992; asphalt on concrete surfacing Harrison St. between 6th St. and Estuary Tube, to Oakland Paving Co., 5000 Bway, $34,219.

Calif., Redlands—Curbing, guttering, macadam paving West Cypress Ave., to Pearson & Dickerson, P.O. Box 325, Riverside, $25,641.

Calif., Redwood City—Grading, asphaltic concrete paving Hazel Ave., to Peninsula Paving Co., Standard Oil Bldg., San Francisco, $57,887. Noted June 21.

Calif., San Bernardino—Grading, curbing, walks, concrete paving G St., between Highway Ave. and 34th St., grading, 5 in. concrete paving D St. between 24th and city limits, to G. Herz & Co., 456 E St., $54,795 and $82,335 respectively.

Calif., San Diego—Improving Union and other streets, to H. L. MacBeane, 4317 Hart St., $31,314. Noted June 21.

Calif., San Diego—Common Council, grading, 6 in. asphaltic concrete paving 102,297 sq.ft. Hamilton St., to G. R. Daley, 4430 Boundary St., $19,377. Noted June 14.

Calif., San Francisco—Grading, art stone, walks, asphaltic concrete paving Santiago Ave., to Municipal Constr. Co., Call Bldg., $24,741.

Calif., San Gabriel—Curbing, walks, 2 in. warrenite on 4 in. asphaltic concrete paving 680,000 sq.yd. Del Mar Ave., to Hall-Johnson, 905 Westminster Ave., Alhambra, $165,845.

Calif., San Jose—Grading, asphaltic concrete paving Stockton Ave., to A. J. Raisch, 46 Kearny St., San Francisco, $46,100.

Calif., San Rafael—Marin Co., grading road from foot of Carson Hill to Salmon Creek Rd., and road from Hicks Valley to Wilson Hill, to Crescent Grading Co., 2528 Taraval St., San Francisco, $10,218 and $14,817 respectively.

Calif., Santa Ana—Orange Co., curbing, walks, concrete paving Monroe and Jefferson Sts. (Midway City Dist.), to Union Concrete Pipe Co., Orange, $28,930.

Ont., Bowmanville — Concrete curbing, guttering, concrete paving 20,000 sq.yd. 4 streets, to Towland Constr. Co., Guelph, $46,000. Est. $50,000.

Ont., Bracebridge—Council, 2½ in. asphalt on 6 in. concrete paving 24,500 sq.yd. Manitoba and Shier Sts., to Ontario Amiesite Ltd., Spadina Ave. and Fleet St., Toronto, $90,032.

Ont., Bridgeburg—A. S. Jackson, town clk., concrete curbing, guttering, sheet asphalt paving 6,500 sq.yd. Highland Ave., to Godson Contg. Co., 203 Richmond St. W., Toronto, $35,162. Est. $30,000.

Ont., Chatham—W. D. Colby, engr., Harrison Hall, asphaltic macadam paving 30,-000 sq.yd. roads, to Merlo, Merlo & Ray, Sandwich St., Ford City, for Kent Co. Est. $90,000. Noted May 3.

Ont., Fonthill—A. M. Clark, town clk., asphaltic macadam paving 16,000 sq.yd. Canboro and South Pelham Rds., to Brennan Paving Co. Ltd., 400 Gage Ave. N., Hamilton, $43,982. Est. $45,000. Noted June 14.

Ont., Fort William—For 175,000 sq.ft. concrete sidewalks, to J. J. Flanagan, 300 Brodie St. S., $37,490.

Ont., Haileybury—Asphalt paving Rorke Ave., to Warren Bituminous Paving Co. of Ontario Ltd., 54 University Ave., Toronto, $70,000. Noted July 5.

Ont., Haileybury—Concrete curbing, guttering, asphalt, concrete bitulithic 1½ mi. Main St., Lake Shore Rd. and Ferguson Ave., to Warren Bituminous Paving Co. of Ontario Ltd., 54 University Ave., Toronto, $75,000. Noted July 19.

Streets and Roads (Continued)

Ont., New Toronto—Concrete curbing, guttering, concrete paving 12,000 sq.yd. New Toronto St., to R. C. Huffman Constr. Co., 331 Bay St., Toronto, $40,490. Est. $40,000.

Ont., New Toronto — Concrete curbing, guttering, concrete, asphalt on concrete paving 2nd, 3rd, 7th and 10th Sts., to Lawes Constr. Co., Browns Bldg., $65,665; concrete sidewalks, to R. C. Huffman, 331 Bay St., Toronto, $2,245. Noted May 3.

Ont., Peterborough—Concrete curbing, guttering, sheet asphalt on concrete paving 17,000 sq.yd., to Warren Bituminous Paving Co., 54 University Ave. Est. $60,000.

Ont., Toronto—Asphalt on concrete paving Highbourne Rd., to Constructing & Paving Co., Confederation Life Bldg., $2,153, Cavell, Chestnut Park and Chisholm Aves., to Kilmer & Barber, 10 Adelaide St. E. $27,457, Dunn Ave. and Elora Rd., to Godson Contg. Co., 203 Richmond St. W. $20,950; brick, asphaltic concrete paving Doel, Dowling and Cedar Aves., to owners by day labor, $10,559; concrete paving lane near Symington Ave., to Grant Contg. Co., 47 Wellington St. E. $3,727, lane near Brock Ave., to L. P. Acri, 28 Grove Ave. $885. Grand total $65,731.

Ont., Toronto—East York Twp., asphalt on concrete paving 7,500 sq.yd. Lumsden Ave., to Kilmer & Barber, 10 Adelaide St. E., $35,101. Est. $35,000.

Ont., Toronto—York Twp., bitulithic on concrete paving Dynevor Rd., to Warren Bituminous Paving Co., 54 University Ave., $29,945; asphalt on concrete paving Methuen Ave., to Godson Contg. Co., 203 Richmond St. W. $10,630; concrete sidewalks on Preston and St. Marks Rds., Traymore Crescent, Briar Hill and Valewood Aves., to T. Strang, 114 Cederic Ave., $3,688. Grand total $44,263.

Ont., Uxbridge—D. J. Kean, engr., Court House, Whitby, concrete paving 7,500 sq.yd. Main St., to Hamilton Contg. Co., 25 Hughson St. S., Hamilton. Est. $25,000. Noted May 17.

Ont., Windsor—Paving streets, to Cadwell Sand & Gravel Co., West Sandwich St. $22,108, to Premier Constr. Co., 942 Windsor Ave., $54,376, to Chick Contr. Co., McDougall Ave., $31,000. Grand total $107,484.

Ont., Windsor—Concrete paving 6 streets, to Premier Constr. Co., 924 Windsor Ave. $54,000; Bonwell and Ypres Aves., to Cadwell Sand & Gravel Co., Sandwich St. W., $22,000.

B. C., Point Grey—Concrete or asphaltic concrete paving, to Ellis-Cotton, Ltd., False Creek Yards, Vancouver, $17,756—to Armstrong, Morrison Paving Co., 553 Granville St., Vancouver, $20,549—to General Constr. Co., Ltd., 736 Granville St., Vancouver, $2,886. Grand total $41,191.

B. C., Vancouver—Warrenite paving, to Ellis-Cotton, Ltd., False Creek Yards, $3,803—concrete paving, to Hodgson, King & Marble, 508 London Bldg., $26,888—to Dawson Wade & Co., Bekins Bldg., $11,768—to King & Moncruff Constr. Co., Dominion Bank Bldg., $13,294. Grand total $55,753.

Public Bond Elections

Coming Bond Elections

Waterworks — California, Mo., Aug. 13, $28,000.
Waterworks — Altus, Okla., July 18, $120,000.
Waterworks—Maud, Okla., July 18, $75,000.
Waterworks—Oceanside, Calif., $75,000.
Sewage Disposal Plant — Altus, Okla., $120,000.
Sewers—Hinton, Okla., July 24, $30,000.
Sewage Disposal Plant—Escondido, Calif., $25,000.
Paving—Fulton, Mo., Aug. 3, $39,000.
Paving—Pleasant Hill, Mo., July 31, $25,000.
Air Port—Norman, Okla., $30,000.

Bonds Voted

Waterworks — Centralia, Kan., $43,000. Henningson Engr. Co., Omaha, Neb., Engrs.
Sewers—Marlin, Tex., $38,000.
Paving, Sewers, etc. — Carnegie, Pa., $275,000.

Buildings—Commercial

Proposed Work

Me., Portland—THEATRE, STORE and OFFICE—Congress St. Corp., c/o H. W. Rhodes, archt., 574 Congress St., soon lets contract 6 story, basement, 185 x 215 ft., brick, steel, plain found., Congress and High Sts. To exceed $150,000.

Mass., Boston—STORE and OFFICE—P. Basile, 20 Taft Pl., Rosindale, sketches by M. E. Levy, 43 Tremont St., 3 story, basement, 10,000 sq.ft. floor space, brick, stone, plain found., Washington and Popular Sts. $150,000.

Mass., Brockton—MEMORIAL—City, H. D. Bent, mayor, 3 story, basement, tower, war memorial recreation building, incl. library, auditorium, billiard room, stage, reading room, West Elm St. $175,000. Engineer and architect not selected.

Mass., Fall River—STORE and OFFICE—Burke, Inc., c/o T. E. Burke, North Main St., revised plans by D. Shapiro, Globe Bldg., North Main St., 4 story, basement, brick, plain found., North Main and Granite Sts. $150,000. Noted Apr. 26.

Mass., Mattapan (sta. Boston)—ADMINISTRATION — Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, soon takes bids 3 story, basement, irregular sized, brick, plain found., at Boston State Hospital. $180,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Apr. 12.

Mass., Scituate—MASONIC TEMPLE—Scituate Lodge of Masons, J. Severance, chn. building com., sketches by J. W. Beal Sons Co., 185 Devonshire St., Boston, brick, stone, Country Way. $150,000 or more. Noted May 10.

Mass., Taunton — KITCHEN—Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, soon takes bids altering and constructing 3 story, basement, brick addition, plain found., at State Hospital. $150,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Apr. 19.

Mass., Waltham (Ind. br. Boston)—HOME—City, H. F. Beal, mayor, City Hall, soon takes bids altering and constructing 2 and 3 story, basement, irregular sized, brick, stone addition, plain found., South St. $150,000 or more. Hutchins & French, 11 Beacon St., Boston, archts. Noted May 24.

R. I., Providence—OFFICE—Rhode Island Insurance Co., Guarantee Fire Insurance Co., and Merchants Insurance Co., 17 Custom House St., sketches by Howe & Church, Turks Head Bldg., office building, 31-37 Canal St. To exceed $150,000.

Conn., New Haven — HOSPITAL — New Haven Hosital, G. F. Goodspeed, plans by H. C. Pelton, 415 Lexington Ave., New York, brick, steel ward unit. $500,000. G. A. Noska, 420 Lexington Ave., New York, engr.

N. Y., Astoria (sta. Long Island City)—APARTMENT — D. Vouzzo, 35-10 Bway., plans by C. L. Caputi, 35-10 Bway., 87 x 125 ft., brick, timber, 34th St. and 28th Ave. $175,000. Noted Apr. 12.

N. Y., Brooklyn—BANK and OFFICE—High Grand Holding Corp., J. F. Pitz, pres., 325 Wycoff St., soon lets contract, Wyckoff and Gates Sts. $175,000. H. C. Brucker, 2424 Myrtle Ave., archt.

N. Y., Brooklyn — GARAGE — Parkway Center Building Corp., A. Kanter, pres., 26 Court St., 2 story, 100 x 157 ft., East New York and Schenectady Aves. $40,000. H. M. Sushan, 367 Fulton St., archt.

N. Y., Brooklyn—HOSPITAL— Swedish Hospital, P. B. Hanson, Rogers Ave., plans by A. S. Hedman, 112 East 19th St., New York, and takes bids in October or November, 4 story, 124 Rogers Ave. $250,000.

N. Y., Brooklyn — STORE — East New York Terminal Buildings, Inc., H. Strongin, pres., 1662 Pitkin St., 100 x 200 ft., Junius St., East New York Ave. $300,000. Cohn Bros., 361 Stone Ave., archts.

N. Y., Elmira — THEATRE—F. & H. Schweppe, 114 State St., sketches by V. A. Rigaumont, 1540 Bway., New York, theatre. $150,000.

N. Y., Jackson Heights (Sta. Flushing)—APARTMENT — Laurel Manhattan Co., 3451-89th St., plans by B. Driester, Jr., 153 Remsen St., Brooklyn, 4 story, 88 x 100 ft., brick, timber, 93rd St. and Northern Blvd. $250,000.

N. Y., Jackson Heights (Sta. Flushing)—APARTMENT—Polk-88th St. Corp., 101 Park Ave., New York, plans by O. Goldschlag, 1482 Bway., New York, 6 story, 87 x 120 ft., brick, timber, 88th St. and Polk Ave. $250,000.

N. Y., Jackson Heights (Sta. Flushing)—STORE and OFFICE—Queensboro Corp., Bridge Plaza, Long Island City, plans by M. Smith, 161-10 Jamaica Ave., Jamaica, 3 story, 100 x 100 ft., brick, timber, 37th Ave. and 82nd St., separate contracts. $150,000.

N. Y., Long Island City—AMUSEMENT—Van Arch Holding Corp., 133-15 Rockaway Blvd., Jamaica, plans by J. M. Baker, 9 Jackson Ave., 1 story, 123 x 190 ft., brick, Archer Pl. 144th St. $150,000.

N. Y., Long Island City—APARTMENT—Santo Maggio, 10-87 Van Alst Ave., plans by R. L. Lukowsky, 28-13 Newtown Ave., Astoria, 4 story, 88 x 164 ft., brick, timber, Crescent St. and Bway. $165,000.

N. Y., New York—APARTMENT—B. & A. Constr. Corp., c/o F. Abbondanza, pres., 3536 White Plains Ave., plans by M. W. Del Guadio, 160 West 45th St., 6 story, 85 x 180 ft., brick, timber, 273 Olinville St. $225,000.

N. Y., New York—APARTMENT—Forty West 67th St. Corp., 50 Central Park W., bids in August general contract, 36 West 67th St. $350,000. R. Candela, 578 Madison Ave., archt. Noted July 5.

N. Y., New York—APARTMENTS—Gramercy Investing Co., 17 East 45th St., bids in August general and separate contracts 9 story, 57 x 77 ft., brick, steel, 136 East 18th St., $300,000; apartment, 126 East 18th St., $600,000. Sugarman & Berger, 343 Madison Ave., archts. Noted June 28.

N. Y., New York—APARTMENT—Iron Hill Realty, M. Toonkel, pres., 590 East 161st St., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 87 x 203 ft., brick, timber, Shakespeare and Jerome Aves. $295,000.

N. Y., New York — APARTMENT — Janos Holding Corp., 349 East 149th St., J. Janos, pres., plans by P. Lubroth, 283 Kingsbridge Rd., 6 story, 87 x 150 ft., brick, timber, Taylor and Tremont Aves. $250,000.

N. Y., New York—APARTMENT—Montenox Corp., 15 William St., bids in August, 17 story, 100 x 139 ft., 720 Park Ave. $2,000,000. R. Candela, 578 Madison Ave., archt. Noted July 5.

N. Y., New York—APARTMENT—One Thousand Five Hundred-One Undercliff Ave., Corp., A. Sussman, pres., 1484 Shakespeare Ave., plans by C. Kreymborg & Son, 2534 Marion Ave., 6 story, 128 x 212 ft., brick, timber, Undercliff Ave. and Washington Bridge. $500,000.

N. Y., New York — APARTMENT — Schwarz & Gross, archts., bids in August separate contracts 11 story, 29 East 70th St., for Teeson Constr. Corp., 285 Madison Ave. $3,000,000. Noted June 28.

N. Y., New York — APARTMENT — Southern Gardens, Inc., A. Savinelli, pres., 344 East 149th St., plans by A. E. Schaefer, 2408 Grand Concourse, 5 story, basement, 200 x 275 ft. apartment, 147th St. and Southern Blvd. $1,000,000.

N. Y., New York—APARTMENT—Teeson Constr. Corp., A. Tishman, pres., 285 Madison Ave., bids in August separate contracts, 317 East 57th St. $600,000. Schwartz & Gross, 347 5th Ave., archts. Noted June 28.

N. Y., New York—APARTMENT—Wallace Building Corp., M. Berek, secy., 927 Burke Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 100 ft., brick, timber, Wallace Ave. and Allerton St. $180,000.

N. Y., New York—APARTMENTS—Minneford Holding Corp., G. Markey, pres., 368 East 148th St., plans by Becker & Levy, 1301 Boston Rd., two 6 story, one 86 x 94 ft., Morris Park and Hobart Aves., other 89 x 96 ft., Morris Park and Edison Aves., both brick, timber, $200,000 each.

N. Y., New York—APARTMENT and STORE — Dougal Realty Corp., S. P. Donis, secy., 1853 Washington Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 99 x 100 ft., brick, timber, 177th St. and Newbold Ave. $180,000.

N. Y., New York—CLUB—Finnish Temperance Society bids in August or September general contract, 158 East 124th St. $150,000. E. A. Winkander, 55 West 52nd St., archt.

N. Y., New York — HOME — Peabody Home Corp., E. K. Warren, pres., 2064 Boston Rd., plans by Allen & Collins, 415 Lexington Ave., 5 story, 41 x 137 ft., brick, timber, Pelham Parkway and Home St. $250,000.

N. Y., New York—HOSPITAL—Eighty-seventh St. East End Corp., 250 Park Ave., bids in September or October general contract 14 story, 96 x 201 ft., brick, steel, 545 East 87th St. $1,750,000. Crow, Lewis & Wick, 200 5th Ave., archts. Noted July 5.

N. Y., New York—OFFICE—Hegeman & Harris (contractors), 360 Madison Ave., bids in December on separate contracts 36 story, 100 x 329 ft., brick, steel, 216 East 42nd St., for News Syndicate Co., Inc., 25 Park Pl. $5,500,000. Noted Mar. 8.

N. Y., New York—STORES and APARTMENTS—Ramol Realty Corp., 17 West 45th St., L. Strum, pres., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., two 6 story, one 87 x 100 ft., other 86 x 100 t.f. brick, timber, Manor and Watson Sts. $200,000 each.

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Buildings—Commercial (Continued)

N. Y., New York—STORE and APARTMENT—R. E. Schwiner & J. W. Schmidt, archts., 1440 Bway., bids in December general contract, 713 St. Nicholas Ave., for Estate of Herbert Pell, 713 St. Nicholas Ave. $150,000.

N. Y., Ogdensburg — HOSPITAL — Dpt. Mental Hygiene, Capitol, Albany, bids in August, reception hospital, inmate and employee accommodations, pavilion and employees buildings at St. Lawrence State Hospital. Crow, Lewis & Wisk, 200 5th Ave., New York, archts. Noted June 7.

N. Y., Orangeburg — HOSPITAL — Dpt. Mental Hygiene, Albany, soon takes bids, 17 additional buildings at Rockland State Hospital.

N. Y., Ridgewood (sta. Brooklyn) — COURT HOUSE — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Long Island City, plans by T. C. Rogers, 15 Colonial Ave., Forest Hills, courthouse, Chaffee and Catalpa Sts. $300,000.

N. Y., Rochester — APARTMENT — M. Rosenberg, 3 North Goodman St., apartment, Alexander St. W. Aronwitz, 311 Alexander St., engr.

N. Y., Rochester — BANK — Rochester Trust & Safe Deposit Co., R. C. Watson, pres., 1 Main St. W., plans by Gordon & Kaelber, 311 Alexander St., 6 story, 75 x 75 ft., brick, steel addition. $250,000.

N. Y., Saratoga Springs—BATH HOUSE —New York State Conservation Comn., Albany, bids in August, reconstructing Lincoln Bath House. Noted June 7.

N. Y., Sonyea—HOSPITAL—Dpt. Mental Hygiene, Capitol, Albany, soon takes bids, hospital, exit facilities and fire stops, at Craig Colony. Noted May 24.

N. Y., Stapleton — COURT HOUSE — J. J. Lynch, pres. Richmond Boro, Boro Hall, St. George, bids in September, court house, Targee and Gordon Sts. $200,000. Sibley & Featherson, 101 Park Ave., New York, archts.

N. Y., Syracuse—HOTEL—C. H. Hilton, c/o G. Young, archt., McCarthy Bldg., 6 story, basement, 42 x 144 ft., brick, steel, concrete pile found., Harrison and Montgomery Sts. $350,000.

N. Y., Yonkers—APARTMENT—G. Keisler, archt., 56 West 45th St., New York, bids in August general or separate contracts 6 story, Park and Fairview Sts., for Park Fairview Realty Co., 29 Bway., New York. $300,000.

N. J., East Orange—APARTMENT—Ricciardi Bros., c/o R. Botelli, archts., 45 Branford Pl., Newark, 4 story, basement, brick, plain found., 110-12 Walnut St. $150,000.

N. J., East Orange—APARTMENT—M. Spurr, c/o S. Cohen, archt., 130 Branford Pl., Newark, 3 story, basement, 100 x 125 ft., brick, steel, stucco, plain found., Rhode Island Ave. and Brookwood St. $150,000.

N. J., Elizabeth—APARTMENTS—M. Kolter, c/o W. Clifford, Jr., archt., 293 Morris Ave., two 4 story, basement, 40 x 90 ft. brick, plain founds., 414-20 Vine St. $150,000.

N. J., Hoboken—BANK—W. Newman, archt., 40 Journal Sq., Jersey City, soon lets contract 2 story, basement, 45 x 75 ft., brick, steel, plain found., 4th and Grand Sts., for City Steneck Trust Co., 95 River St., H. Steneck, pres. Noted July 5.

N. J., Hoboken — ELKS CLUB — Elks Club, 1005 Washington Ave., plans by J. Lugosch, 711 Bergenline Ave., Union City, 4 story, basement, brick, steel addition, plain found., 10th St. $150,000.

N. J., Irvington (br. Newark)—APARTMENT—N. S. Kapnek, c/o A. J. Silberstein, archt., 60 Park Pl., Newark, 3 story, basement, 70 x 180 ft., brick, stucco, steel, plain found., 10-24 28th St. $300,000.

N. J., Irvington (br. Newark)—APARTMENT and STORE—S. Schneider, 5 Huntington Terrace, Newark, plans by E. Gerber, 786 Broad St., Newark, 3 story, basement, 60 x 130 ft., brick, steel, plain found., Stuyvesant Ave. and Coolidge St. $150,000.

N. J., Jersey City—APARTMENT—J. Schniper, 79 West 45th St., Bayonne, sketches by B. Singer, 778 Hudson Blvd., Bayonne, 4 story, basement, brick, steel, plain found., 211-13 Arlington Ave. $150,000.

N. J., Jersey City—STADIUM—New York Club of Amer. Baseball League, 226 West 42nd St., New York, E. Barrow, secy., stadium. $150,000.

N. J., Jersey City—STORE and APARTMENT—Tube Realty Corp., c/o C. Shilowitz, archt., 26 Journal Sq., 5 story, basement, brick, steel, plain found., Summit, Magnolia and West Sts. $200,000. Noted July 5.

N. J., Newark—APARTMENT—Fidelity Building Corp., c/o N. A. Vorelli, archt., 786 Broad St., 4 story, basement, 50 x 100 ft., brick, steel, plain found., Lyons Ave. $150,000.

N. J., Newark—APARTMENT—Heller Constr. Co., 972 Broad St., plans by W. E. Lehman, 972 Broad St., 4 story, basement, brick, steel, plain found., 879-99 18th Ave. $150,000.

N. J., Newark—APARTMENT—S. Mazza, 482 North 13th St., plans by J. Centanni, 142 Market St., 3 story, basement, 100 x 100 ft., brick, steel, plain found., Warwick St. and Elm Rd. $150,000.

N. J., Newark—APARTMENT—Miller & Johnson, c/o N. A. Norelli, archt., 786 Broad St., two 4 story, basement, 80 x 85 ft., brick, steel, plain found., Highland Ave. $175,000.

N. J., Newark—APARTMENT—National Realty Co., 215 Osborne Terrace, plans by E. Hauser, 11 Clinton St., 4 story, basement, 100 x 110 ft., brick, steel, plain found., 214-22 Shepherd Ave. $175,000.

N. J., Newark—APARTMENT—Owner, c/o Siegler & Greenberg, archts., 164 Market, St., 3 story, basement, 90 x 100 ft., brick, plain found., 483-91 Clinton St. $150,000.

N. J., Newark—HOTEL—Metropolitan Building & Realty Co., 24 East Park St., sketches by R. Botelli, 45 Branford Pl., 12 story, basement, brick, steel, plain found., 19-25 Lombardy St. $300,000.

N. J., Newark—OFFICE—Owner, c/o D. H. Trevor, archt., 45 Branford Pl., 10 story, basement, brick, steel, plain found., High St. and Springfield Ave. $300,000. Noted May 10.

N. J., Nutley (br. Newark)—APARTMENT—Clover Holding Co., c/o H. J. Furlong, archt., 44 Center St., 3 story, basement, brick, steel, stucco, plain found., Clover and Center Sts. $150,000.

N. J., Syracuse—APARTMENT—J. Zingalli, c/o A. P. Nuciarone, archt., 206 Central Ave., sketches 4 story, basement, 90 x 135 ft., brick, plain found., Washington and North Center Sts. $160,000.

N. J., Passaic — ADMINISTRATION — Pub. Serv. Co-Ordinate Transport Co., 188 Ellison St., Paterson, 1 story, basement, 230 x 280 ft., brick, steel, plain found., 860-78 Main Ave. $150,000. Private plans.

N. J., Passaic — APARTMENT — Lex Realty Co., c/o W. C. Patterson, archt., 287 Brook Ave., 4 story, basement, brick, plain found., 232 Bloomfield Ave. $150,000.

N. J., Raritan—CASINO and HOTEL—Diglio Democratic Assn., 340-4th St., Jersey City, plans by P. O. Simeone & Co., Inc., 22 Journal Sq., Jersey City, 2 story, basement, 125 x 125 ft., brick, steel, plain found. Oak Tree Park. $150,000. Noted July 5.

N. J., Trenton—BANK and OFFICE—First Mechanics Natl. Bank, 34 East State St., E. S. Stokes, bids in October, general contract, State and Warren Sts. $500,000. York & Sawyer, 100 East 42nd St., New York, archt. F. I. Sutton, 140 Cedar St., New York, engr.

N. J., Union — BANK and OFFICE —Natl. Bank of North Hudson, 141 Summitt Ave., sketches 2 story, basement, brick, steel, plain found., Summitt Ave. and 15th St. $150,000. Engineer and architect not selected.

Pa., Bryn Mawr—APARTMENT—Owner, c/o H. L. Reinhold, Jr., archt., 1621 Walnut Ave., Phila., soon lets contract 2 story, basement, 40 x 179 ft. apartment.

Pa., Clairton—THEATRE and OFFICE—Hendel Theatre Enterprises, c/o Marks & Kann, Home Trust Bldg., Pittsburgh, 2 story, basement, brick, terra cotta, steel. $150,000.

Pa., Phila. — BUS TERMINAL and GARAGE—Nevin Bus System, 159 Remsen St., Brooklyn, N. Y., bids in August or September, general contract 7 story, rein.-con., 12th and Commerce Sts. To exceed $600,000. W. F. B. Koelle, 112 South 16th St., archt.

Ala., Gadsden—HOTEL—A. Rich, Printop Hotel, plans by D. O. Whilldin, 523 North 21st St., 10 story, basement, rein.-con., brick, steel, plain found.

La., Shreveport—HOTEL—United Hotels of South, of South & West, Inc., c/o F. J. Dean, 1030 West 55th St., Kansas City, Mo., improving and constructing additional top stories, 6 story, to Youree Hotel. $250,000. Private plans.

O., Akron — EXCHANGE — Ohio Bell Telephone Co., 750 Huron Rd., soon takes bids 6 story, basement, 155 x 265 ft., West Bowery and Quaker Sts. $700,000.

O., Cincinnati—APARTMENT—Simm[illegible] & Forscheiner, 300 Commerce & Trust B[illegible] plans by E. G. Hoefler, B. F. Keith B[illegible] Cleveland, 3 story, basement, brick, st[illegible] Harrison Ave. $150,000.

O., Cleveland — APARTMENTS — C[illegible] Doan Building & Constr. Co., 11118 Cl[illegible] Blvd., plans by G. E. Rudolph, c/o ow[illegible] three 3 story, basement, 44 x 138 ft., br[illegible] timber, 10109 Lake Ave. $300,000.

O., Cleveland—HOSPITAL—Western [illegible] serve University, 10940 Euclid Ave., p[illegible] by Coolidge, Shepley, Bulfinch & Abb[illegible] Ames Bldg., Boston, Mass., Lakeside [illegible] pital. To exceed $150,000.

O., Cleveland Heights (Warrensville P[illegible] — APARTMENT — Coventry Building [illegible] Constr. Co., c/o H. Dolinsky, 6317 K[illegible] man Rd., Cleveland, plans by A. F. Ja[illegible] witz, 811 Prospect Ave., Cleveland, 3 st[illegible] basement, 87 x 107 ft. brick, timber Cov[illegible] try Rd. $150,000.

O., Dayton — APARTMENT HOTEL — Broadview Corp., Dayton Savings & Trust Bldg., 10 story, basement, 70 x 180 ft., rein.-con., brick, plain found., 2nd and Wilkinson Sts. $300,000. Engineer and architect not selected.

O., Lancaster — THEATER — H. Abram & L. Kessel soon take bids theater, 1,000 seating capacity, $150,000.

O., Toledo—CLUB—Y.M.C.A., 347 Madison Ave., New York, brick. $1,500,000. Engineer and architect not selected.

O., Zanesville—HOTEL—H. A. Hicks soon takes bids 4 story, basement, 50 room brick addition. $150,000.

Ind., Indianapolis — HOTEL — Meridian & 28th St. Realty Co., plans by D. Graham, 1126 Hume-Mansur, 7 story, basement, 58 x 120 ft., rein.-con., brick, terra cotta, Meridian and 28th Sts. $350,000.

Ill., Chicago — APARTMENTS — Julius Rosenwald, 4901 Ellis Ave., plans by Klaber & Grunsfeld, Inc., 4 and 5 story, face brick, known as Michigan Blvd. Gardens, to have large central garden courtyard of nearly 3 acres, 46th and 47th Sts., Michigan and Wabash Aves. $2,500,000.

Ill., Chicago—ARMORY—Perkins, Chatten & Hammond, archts., 160 North La Salle St., soon take bids 1 story balcony, 224 x 352 ft., rein.-con., brick drill hall, 2 story, 131 x 237 ft. stables, rein.-con., brick, Cottage Grove Ave., 52nd and 53rd Sts., for One-Hundred-Twenty-Fourth Field Artillery Illinois Natl. Guard, 3401 Wentworth Ave. $500,000. Total, incl. future buildings, $1,000,00. F. A. Randall, 222 North Wells St., engr. Noted Feb. 9.

Ill., Chicago — OFFICE, GARAGE and STORE — A. S. Alschuler, Inc., archts., 28 East Jackson Bvld., soon lets contract 19 story, basement, 120 x 172 ft., rein.-con., brick, steel, caisson found., Wabash Ave. and Harrison St., for H. Rubloff, 10 South La Salle St. $2,000,000. Noted May 20.

Ill., Chicago — RETAIL STORE — Leichenko & Esser, archts., 38 South Dearborn St., soon takes bids 7 story, basement, 48 x 120 ft., rein.-con., brick, steel, terra cotta, 32 South State St., for S. H. Goldberg, 1918 Prairie Ave. $300,000.

Ill., Dixon—COMMUNITY—City sketches community house. $500,000.

Wis., Watertown — THEATRE — Paramount Theatre Corp., 36 South State St., Chicago, Ill., plans by Hooper & Janusch, 870 North State St., Chicago, Ill., 3 story, basement, 125 x 135 ft., brick, stone theatre.

Ia., Council Bluffs—CITY HALL—City, new city hall. $150,000. Will probably vote on bonds later.

Ia., Keokuk — HOSPITAL — Graham Protestant Hospital Assn. plans by M. J. Geise, State Central Bank Bldg., 32 story, basement, 62 x 140 ft., rein.-con., brick, terra cotta, plain found. $150,000. Noted May 3.

Minn., St. Cloud—WAREHOUSE and SALES—L. H. Hinz, mgr. International Harvester Co. of America, 606 South Michigan Ave., Chicago, Ill., soon lets contract 2 story, basement, steel, gray Bedford stone, St. Germain St. and Northern Pacific Ry. tracks. $150,000. Private plans.

Neb., Omaha—OFFICE—G. W. Smith, Inc., 280 Madison Ave., New York, sketches by G. B. Prinz, Omaha Natl. Bank Bldg., 6 story basement, 132 x 132 ft., rein.-con., brick, stone, 1607 Farnam St. $300,000. F. W. Rice, Bankers Reserve Bldg., Omaha, engr.

N. D., Minot—BANK and OFFICE—First Natl. Bank, plans by A. Moorman & Co., Chamber of Commerce Bldg., St. Paul, 4 story, basement, 50 x 147 ft., rein.-con., brick, granite, Kasota stone, Main St. and Central Ave. $250,000.

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Buildings—Commercial (Continued)

Mo., Carthage — HOSPITAL — Carthage Hospital Assn., c/o Bd. Directors, plans by Holt, Price & Barnes, 800 Davidson Bldg., Kansas City, 2 story, basement, rein.-con., brick, stone hospital. $150,000. City voted $75,000 its share of cost and $75,000 has been received from private estate.

Mo., Kansas City—BANK and OFFICE—New England Natl. Bank, 10th and Baltimore Aves., 28 story, basement, 10th and Baltimore Aves.

Mo., Kansas City—OFFICE—Owner, c/o C. A. Smith, archt., 800 Finance Bldg., remodeling and constructing office building, rein.-con., brick addition, Pushing Rd. and Wayandotte St. $500,000.

Mo., St. Louis—BANK and OFFICE—Continental Life Insurance Co., E. Mays, pres., 10th and Olive Sts. soon takes bids excavation and steel work 20 story, basement, 100 x 152 ft., rein.-con., brick, steel, stone, Olive St. near Grand Blvd. Total $1,500,000. W. B. Ittner, 911 Locust St., archt. Noted May 31.

Mo., St. Louis—EXPRESS and OFFICE—Terminal Railroad Assn. of St. Louis, 1800 Market St., soon lets contract, 4 story, basement, 70 x 220 x 700 ft., rein.-con., brick, 18th St. and Clark Ave. H. J. Pfeiffer, c/o owner, engr. Noted May 21.

Mo., St. Louis—HOTEL-APARTMENT—Local Syndicate, c/o W. J. Abbott, 806 Chestnut St., sketches by J. L. Bowling & I. Shank, Arcade Bldg., 25 story, basement, 140 x 200 ft., rein.-con., brick, stone, steel, terra cotta, Lindell Blvd. west of Euclid Ave. $2,000,000.

Mo., St. Louis—HOTEL and BUS TERMINAL—C. E. Lane, 1700 Morgan St., sketches by Manske & Bartling, 410 North Euclid Ave., 5 story, basement, rein.-con., brick, stone terra cotta Olive St. west of 18th St. $300,000.

Mo., St. Louis—STORE and APARTMENT—G. A. Heman, 3650 Chouteau Ave., 3 story, basement, 75 x 160 ft., brick, concrete, stone, Delmar Blvd. and Cabanne Ave. $150,000.

Ark., Hot Springs—HOTEL—New York Hotel Co., T. K. Martin, 118 Frances St., sketches by G. R. Mann, New Donaghey Bldg., Little Rock, 14 story, rein.-con., brick, terra cotta, Bway and Spring St. $1,000,000.

Tex., Alice—HOTEL—Alice Hotel Co., c/o H. E. Prismall, Alice State Bank, soon lets contract 5 story, brick, stone, rein.-con., East Main and Almond Sts. $200,000. Hardy & Curran, 709 Nixon Bldg., Corpus Christi, archts.

Tex., Corpus Christi—HOTEL—E. E. Richards & Associates, Lake Charles, La., 4 story, 300 room addition, incl. 3 story storage garage, North Beach St. $250,000.

Tex., San Antonio—GARAGE—Syndicate, c/o G. Mellifft, San Antonio Building. Material Co., plans by Phelps & DeWees, c/o Gunter Bldg., 3 story, part basement, 108 x 126 ft., brick, rein.-con., plain found., 600 car capacity, ramp system, Crockett and Bonham Sts. $250,000.

Okla., Frederick—HOTEL—Hockenberry Hotel Co., Fort Worth, sketches 4 story, basement, 75 x 140 ft., rein.-con., brick, plain found. $175,000. Engineer and architect not selected.

Okla., Tulsa—HOTEL—L. D. Gunn & Co., 1717 East 15th St., plans by M. L. McCune, Cosden Bldg., 2 story, basement, 105 x 132 ft., rein.-con., brick, plain found., 15th St. $150,000.

N. M., Lordsburg — HOTEL — Trost & Trost, archts., Two Republics Bldg., El Paso, Tex., soon take bids 2 story, 130 x 140 ft., concrete, brick, stucco, East Railway Blvd., for N. A. Gammon. $180,000.

Wash., Yakima—OFFICE and STORE—Ross Building, Inc., plans by Stuart & Wheatley, Walker Bldg., bids about Aug. 1, 7 story, basement, 125 x 140 ft., pressed brick, terra cotta, South 2nd and Chestnut Sts.

Ore., Baker—HOTEL—Multnomah Hotels Co., 269 Pine St., Portland, plans by Tourtellotte & Hummel, Portal Bldg., Portland, 8 story, basement, 100 x 100 ft., with 2 story wing, rein.-con., plain found., Main and Auburn Sts. $300,000. Noted June 7.

Calif., Bakersfield—STORE and OFFICE—B. R. Fitzgerald plans by C. H. Biggar, Bank of Italy Bldg., 4 story, basement, rein.-con., steel, I St. $160,000.

Calif., Eldridge — HOSPITAL — State Building Comn., Sacramento, plans by G. B. McDougall, state archt., Sacramento, and W. B. Faville, associated archt., 1st Natl. Bank Bldg., San Francisco, and bids about July 15, 3 story, 75 x 264 ft., rein.-con., timber, plain found., at Sonoma State Home. $150,000.

Calif., Glendale—APARTMENTS—S. C. Woodward, c/o Bessolo & Gualano, archts., Pacific Electric Bldg., Los Angeles, two 4 story, brick, Adams St. $150,000.

Calif., Glendale—STORE and OFFICE—Glendale, Professional Holding Corp. plans by J. T. Bibb, 214 North Brand Blvd., 6 story, basement, 50 x 140 ft., rein.-con., Central St. $260,000.

Calif., Glendale — THEATRE, STORE, OFFICE and APARTMENT — Menard Players c/o J. R. Schaffer, archt., 600 South Brand Blvd., 2 and 3 story, 93 x 340 ft., rein.-con., Brand Blvd. $150,000 or more. Noted Mar. 22.

Calif., Hanford—THEATRE—West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles, fireproof theatre. $150,000.

Calif., Hemet—HOTEL—Hemet Hotel Co. plans by E. L. Maberry, Transportation Bldg., Los Angeles, 2 story, basement, brick, hotel. $150,000.

Calif., Los Angeles — APARTMENT — Hope Street Assn., Inc. plans by F. H. Webster, 922 Guaranty Bldg., 6 story, basement, 50 x 186 ft., rein.-con., 1432 South Hope St. $225,000.

Calif., Los Angeles—APARTMENTS—M. J. Pellessier, c/o K. MacDonald, Jr., archt., Spring-Arcade Bldg., two 7 and 8 story, rein.-con. apartments, 9th and Serrano Sts. (erected on opposite corners).

Calif., Los Angeles — APARTMENT — J. A. Rosenkranz & Associates, sketches by R. Nicolais, 686½ South Vermont Ave., 6 story, basement, 114 x 125 ft., rein.-con., timber, 8th and Plymouth Sts. $190,000.

Calif., Los Angeles—HOSPITAL—Monte Sano Sanitarium & Hospital plans by A. C. Martin, Higgins Bldg., 3 story, basement, sub-basement, 60 x 110 ft., rein.-con., Glendale Blvd. $150,000.

Calif., Los Angeles — LOFT — Central Realty Co., Loew State Bldg., plans by W. Douglass Lee, Textile Center Bldg., 6 story, basement, rein.-con., 80 x 100 ft. site on 9th St. and Stanford Ave. $150,000 or more.

Calif., Los Angeles — STORE and OFFICE—J. J. Haggarty, c/o New York Store, sketches by Floyd & Richards, Architets Bldg., 12 story, basement, 175 x 250 ft., Class "A," Wilshire Blvd.

Calif., Oakland — APARTMENT — R. J. Blanco, Howden Bldg., plans by T. J. Keenan, 386-15th St., 7 story, basement, steel, concrete, Lakeshore Blvd. $300,000.

Calif., Pasadena—HOTEL—United Hotel Co. of America, Maryland Hotel, plans by Hunt & Chambers, Hibernian Bldg., Los Angeles, 10 story, Class "A" annex. To exceed $150,000.

Calif., Pasadena—STORE and OFFICE—Kendall Co. plans by Bennett & Haskell, Security Bldg., 3 story, brick, steel, Colorado St. $150,000 or more.

Calif., Sacramento—HOTEL and STORE—Sellon & Co., archts., California State Bldg., 5 story, basement, rein.-con., 6th and J Sts., for H. Rassmussen, 4224 Stockton Blvd. $200,000.

Calif., Sacramento — MARKET — Company being organized plans by Coffman-Sahlberg & Stafford, Plaza Bldg., 1 story, rein.-con., Alhambra Blvd. $200,000.

Calif., San Diego—CONVENTION HALL—Interests backed by San Diego Chamber Commerce, sketches by W. H. Wheeler, Spreckels Bldg., brick, steel, stone, terra cotta. $850,000.

Calif., San Diego—HOTEL—Brooks Bros., c/o Sheet & Hiller, archts., Story Bldg., Los Angeles, 5 story, basement, concrete hotel. $150,000.

Calif., San Francisco—APARTMENT—J. Perry, 249 Eddy St., plans Class "A" apartment, Geary St. near Jones St. $150,000 or more.

Calif., San Francisco—APARTMENT—Owner, c/o H. C. Baumann, 251 Kearny St., 24 story, basement, 250 room, Class "A" Russian Hill. $850,000.

Calif., San Francisco—BANK—Hibernian Bank, McAllister and Jones Sts., plans by A. E. Roller, Crocker 1st Natl. Bank Bldg., 1 story, rein.-con., 18th and Castro Sts. $150,000.

Calif., San Mateo—APARTMENT—E. L. and J. E. Norberg, archts., 580 Market St., San Francisco, 6 story, basement, rein.-con., steel, Baywood Park. $150,000.

Calif., Visalia—THEATRE—West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles, fireproof theatre. $150,000.

Que., Montreal — THEATRE — United Amusement Corp., 12 Mayor St., plans by R. Ganepy, 15 St. James St., theatre, Notre Dame S t. W. $200,000.

Ont., Brantford—APARTMENT—O. W. Seale, 760 Main St. E., Hamilton, plans by W. J. Walsh, Terminal Bldg., Hamilton, 3 story, basement, rein.-con., brick, steel, plain found., Dufferin Ave. $150,000.

Ont., Toronto — CUSTOMS HOUSE — Dpt. P. Wks., Ottawa, plans by Chief Architects Bd., take bids probably in fall (1st unit) new customs house. $500,000. Total $3,000,000.

Ont., Toronto—HOSPITAL—City Council orthopedic hospital, Prince Arthur Ave. $500,000.

Ont., Toronto—HOTEL—Syndicate, c/o N. A. Armstrong & Co., engrs. and archts., 7 King St. E., sketches 18 story, basement, rein.-con., brick, steel, stone, plain found., Leader Lane and King St. E. $1,000,000.

Ont., Toronto—OFFICE—L. J. Wookey, Foy Bldg., plans by E. Jessop, c/o Dominion Realty Co., 11 Jordan St., 8 story, basement, 25 x 90 ft., rein.-con., brick, steel, plain found., York and Richmond Sts. $150,000.

B. C., Vancouver — OFFICE — Miller, Court & Co., Ltd., 736 Granville St., sketches by Townle & Matteson, 325 Homer St., 10 story, 78 x 120 ft., rein.-con., terra cotta, brick, tile, Pender and Howe Sts. $750,000.

Bids Desired

Mass., Boston—THEATRE—Trustees Lafayette Theatre Assn., 260 Tremont St., taking bids 1 story, basement, 80 x 180 ft., brick, stone, steel, plain found., 336 Tremont St. $150,000 or more. G. N. Meserve, 260 Tremont St., archt.

Mass., Braintree (Ind. br. Boston)—HOSPITAL—Bd. Trustees Norfolk Co. Hospital, taking new bids 2 story, basement, irregular sized, brick, stone addition, plain found., Braintree Heights. $150,000 or more. Former bids rejected. Noted May 24.

Mass., Everett (br. Boston) — APARTMENT—E. J. O'Brien, 209 Linden Ave., taking new bids 4 story, basement, 80 x 110 ft., brick, steel, stone, plain found., 34 Maple St. $150,000 or more. Former contract rescinded. R. E. Porter, 73 Tremont St., Boston, archt. Noted Feb. 2.

Mass., Framingham—BANK—Framingham Trust Co., C. F. Bigelow, res., Concord St., taking bids, altering and constructing 1 story, basement, brick, rein.-con., steel, stone addition, plain found. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts. Noted June 21.

Mass., Melrose — APARTMENT — See Contracts Awarded."

Conn., Hartford — STORE — Sage-Allen Co., 846 Main St., taking bids 6 story, 65,000 sq.ft. floor space, brick, steel, Main St. $500,000. Dennison & Hirons, 40 East 49th St., New York, archts. Noted Apr. 12.

N. Y., Far Rockaway—APARTMENT—See "Contracts Awarded."

N. Y., Jackson Heights (Sta. Flushing)—STORE and OFFICE—See "Contracts Awarded."

N. Y., Long Island City—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENTS—See "Contracts Awarded."

N. Y., New York—APARTMENT and STORE—See "Contracts Awarded."

N. Y., New York—COMMUNITY—Racarulmer & Lehlbach, archts; 420 Lexington Ave., bids about Aug. 1, separate contracts, 92nd St. and Lexington Ave., for Y.M.H.A., 148th East 92nd St. $1,300,000. Noted July 5.

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Fairview—APARTMENT—See "Contracts Awarded."

N. J., Newark—APARTMENT—N. A. Norelli, archt., 26 Lincoln Ave., Orange, taking bids general contract 4 story, basement, 50 x 100 ft., brick, steel plain found., Lyons Ave. and Parkview Terrace, for Fidelity Building Corp., 24 Commerce St. $150,000.

N. J., North Bergen (Ind. br. Weehawken)—APARTMENT—See "Contracts Awarded."

N. J., Palisades Park—APARTMENT—Tillion & Tillion and C. Hinman, Babcock, associated archts., 415 Lexington Ave., New York, taking sub-bids 4 story, basement, 90 x 108 ft., brick, steel, plain found., Harriet Ave., for Harriet Ave. Apartment, Inc., c/o architects. $150,000.

N. J., Passaic—ADMINISTRATION and BUS GARAGE—See "Contracts Awarded."

N. J., Plainfield—THEATRE—Plainfield Theatre, W. Reade, pres., taking bids general contract 2 story, theatre, 2nd St. and Park Ave. $150,000. T. W. Lamb, 644-8th Ave., New York, archt.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—See "Contracts Awarded."

Pa., Bloomsburg—HOSPITAL, NURSES' HOME, etc.—July 26, by Ballinger Co., archts., 12th and Chestnut St., Phila., 4 story, basement, 44 x 180 ft., hospital, 3 story, basement, 33 x 57 ft. nurses' home, 2 story, 39 x 55 ft. boiler house, all brick, steel, plain founds., for Bloomsburg Hospital.

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Buildings—Commercial (Continued)

O., Cleveland—MEDICAL OFFICE and GARAGE—July 24, by Cleveland Union Terminal Co., C. L. Bradley, pres., Terminal Tower, 18 story, basement, 152 x 161 ft., rein.-con., brick, steel, Ontario St., $5,000,000. Graham, Anderson, Probst & White, Railway Exch. Bldg., Chicago, Ill., archts.

Ind., Indianapolis—CLUB—F. S. Cannon, archt., 21 Virginia St., taking bids 2 story, brick, stone, Walnut and Wests Sts., for Y.M.C.A., 329 North Pennsylvania St. $150,000.

Ind., South Bend—OFFICE—Building & Loan Assn., 216-18 West Washington St., taking bids and open same about Aug. 9, 10 story, basement, 48 x 66 ft., rein.-con., brick, steel, steel office building. $250,000. Austin & Shambleau, 111 North Lafayette St., archts. Noted May 3.

Mich., Detroit—STORE—Book Estate, J. B. Book, Jr., 1249 Washington Blvd., taking bids 2 story, part basement, 122 x 124 ft., rein.-con., brick, plain found., Washington Blvd. $150,000. Private plans.

Ill., Chicago—WAREHOUSE and SERVICE STATION—July 31, by Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., large warehouse, service station, Ashland Ave. and Pershing Rd., for General Electric Co., 230 South Clark St.

Ill., Evanston — APARTMENT and STORE—Thielbar & Fugard, archts., 219 East Superior St., Chicago, taking bids 4 story, basement, 103 x 116 ft., brick, steel, Main St. and Hinman Ave., for R. R. McKinnie, $250,000. Noted June 21.

Ill., Peoria—CLUB—Hewitt, Emerson & Gregg, archts., Peoria Life Bldg., taking bids brick, Jefferson and Fayette Sts., for Y. W. C. A. $400,000.

Ark., Texarkana—CITY HALL—July 30, by City, 3 story, basement, 140 x 147 ft., rein.-con., brick, stone, incl. auditorium. $300,000. Witt, Seibert & Halsey, 807 Texarkana Natl. Bank Bldg., archts. Noted June 21.

Tex., Dallas—BANK—Land & Witchell, archts. and engrs., Amer. Exch. Bank Bldg., taking bids general contract 6 story, basement, 50 x 100 ft., Bedford stone, steel addition, plain found., Elm St., for American Exch. Natl. Bank. $300,000. Excavation work under way. Noted Apr. 26.

Tex., Temple—CITY HALL—City, bids about Aug. 1, 3 story, city hall. $160,000. M. V. Scott, 412½ Franklin Ave., Waco, archt. Noted July 5.

Wash., Tacoma — APARTMENT — Dana Roberts & Co., Rust Bldg., plans by Lundberg & Ekvall, Provident Bldg., bids about Sept. 3, 7 story, basement, 100 x 120 ft., rein.-con., steel, terra cotta, brick, South 5th and Broadway Sts.

Calif., Chico—ADMINISTRATION—State Building Comm., Sacramento, bids about Sept. 1, 3 story, basement, 65 x 308 ft., rein.-con., brick, plain found., State Teachers College, $235,000. G. B. McDougall, Sacramento, state archt.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Ont., Ottawa—OFFICE—Sept. 5, by S. E. O'Brien, secy., Dpt. P. Wks., for Dominion Govt. Office Building known as Confederation Building, Wellington St. $4,000,000.

N. S., Halifax—STATION and HOTEL—July 27, by G. S. Archibald, archt., 1134 Beaver Hall Hill, Montreal, Que., new station and hotel, for Canadian Natl. R.R., C. S. Gzowski, ch. engr. (constr.), Montreal, Que.

Contracts Awarded

Me., Damariscotta — BANK — First National Bank, altering and constructing 1 story, basement, rein.-con., brick, steel addition, plain found., to Tracey & Metcalf, Oak St., Augusta. Est. $150,000. Noted May 24.

N. H., Manchester—Y. W. C. A., A. C. McLean, chn. building com., 4 story, basement, 85 x 110 ft., brick, granite, limestone, plain found., to J. H. Shattuck, Inc., 208 Granite St. Est. $150,000 or more. Note June 28.

Mass., Melrose — APARTMENT — A. B. Lundstrom, 449 Bway., Everett, 3 story, basement, 100 x 100 ft., brick, stone, plain found., Wyoming Ave. and Waverly St., separate contracts. $150,000. J. A. Quirk, 10 Tremont St., Boston, archt.

Conn., Milford — FIRE STATION — Bd. Fire Comrs., brick, steel central fire station, to Fusco & Amatruda, 42 Church St., New Haven. $112,000. Noted June 14.

N. Y., Brooklyn — BANK — Mechanics Bank, H. N. DeMott, pres., 215 Montague St., to W. Kennedy Constr. Co., 215 Montague St. Est. $175,000.

N. Y., Buffalo — EXPRESS — American Express Co., Main and Erie Sts., 2 story, 60 x 300 ft., rein.-con., brick, steel, Curtis St., to Turner Constr. Co., 11 Goodell St., to exceed $150,000.

N. Y., Far Rockaway—APARTMENT—Toll Constr. Co., 2021 Clark Ave., 4 story, 102 x 180 ft., Seneca and Oak Sts., separate contracts. $150,000. P. L. Kieswetter, 16 Court St., Brooklyn, archt.

N. Y., Long Island City—APARTMENT—Hays Constr. Corp., 1093 East 21st. St., 6 story, 90 x 100 ft., brick, timber, 37th Ave. and 80th St., separate contracts. $400,000. Kavy & Kavovitt, 350 Stone Ave., Brooklyn, archts.

N. Y., Long Island City—APARTMENTS—Merchant Constr. Corp., 3504-31 Ave., Astoria, fourteen 3 story, 70 x 94 ft., brick, timber, Woolsey Ave. and Kindred St., separate contracts. $336,000. M. Morgolin, 105 Court St., Brooklyn, archt.

N. Y., New York—APARTMENT—Central Park West Corp., I. Kraft, 1560 Bway., apartment, 2-4 West 95th St., separate contracts. $1,000,000. J. M. Felson, 250 West 57th St., archt.

N. Y., New York—APARTMENT—Corporation, c/o Pleasant Pennington & A. W. Lewis, archts., 250 Park Ave., 14 story apartment, 9-11 East 79th St., to James Stewart & Co., 17 East 42nd St. Est. $450,000.

N. Y., New York—APARTMENTS—Dan Collins Corp., 290 East 156th St., 2 buildings, Pelham Parkway, Barnes and Wallace Aves., separate contracts. $700,000. Becker & Levy, 1301 Boston Rd., archts.

N. Y., New York—APARTMENT—Elder Realty Co., A. Resken, pres., 797 Allerton Ave., apartment, Longfellow Ave. and 172nd St., separate contracts. $300,000. G. W. Swiller, 4215 3rd Ave., archt.

N. Y., New York—APARTMENT—Faygold Realty Co., H. Kantrowitz, pres., 3194 Westchester Ave., apartment, Colonial Ave. and 196th St., separate contracts. $175,000. Glick & Duma, 400 East Fordham Rd., archts.

N. Y., New York—APARTMENT—Northview Investing Corp., 15 William St., apartment, 730 Park Ave., to G. Richard Davis, 10 East 41st St. Est. $2,000,000. Noted July 5.

N. Y., New York—APARTMENT—Sawa Realty Corp., 765 Allerton Ave., apartment, Rhinelander and Holland Ave., separate contracts. $150,000. L. Pisciotta, 563 Tremont Ave., archt. Noted July 5.

N. Y., New York—APARTMENT—Silvest Realty Corp., 553 West 51st St., apartment, Goodwin Terrace and 231st St., separate contracts. $200,000. C. S. Clark, 441 Tremont Ave., archt.

N. Y., New York—APARTMENT HOTEL and ART GALLERIES—Master Builders, Inc., L. L. Hersh, pres., 310 Riverside Dr., 24 story, 94 x 120 ft., brick, steel, to Longacre Eng. & Constr. Co., 345 Madison Ave. Est. $1,700,000. Noted Feb. 2.

N. Y., New York—APARTMENT and STORE—Finlin Building Corp., 277 Bway., H. Finkelstein, pres., 6 story, 87 x 150 ft., brick, timber, Watson and Boynton Sts., separate contracts. $300,000. Franklin Bates & Heindsmann, 2526 Webster Ave., archts.

N. Y., New York—BANK and OFFICE—Thirty-Five-Forty-One Broad St. Corp., D. Durant, vice-pres., 43 Exchange Pl., 9 story, 106 x 128 ft., brick, steel, 35 Broad St., to G. A. Fuller Co., 949 Bway., New York. Est. $1,500,000. Noted July 5.

N. Y., New York — OFFICE — New Amsterdam Casualty Co., J. A. Nelson, pres., 60 John St., 19 story, brick, steel, 56-60 John St., to James Stewart & Co., 17 East St. Est. $1,000,000.

N. Y., Peekskill—APARTMENT—Parkway Plaza Corp., c/o R. Segal, archt., 475 5th Ave., New York, 6 story apartment, South St., to Scoville Constr. Co., 132 West 42nd St., New York. Est. $250,000.

N. Y., Tuckahoe—OFFICE and STORE—La Post Reality Corp., M. Leiblich, 285 Madison Ave., Main St. Depot, to T. J. McWalters, 225 5th Ave., New York. Est. $150,000.

N. J., Caldwell—APARTMENT—Caldwell Center Realty Co., c/o Enbro Corp., archts., 111 Academy St., Newark, general contract 4 story, basement, 130 x 150 ft., brick, steel, plain found., to Enstice Bros., Inc., 111 Academy St., Newark. Est. $200,000. Noted Feb. 23.

N. J., East Orange — APARTMENT — Ricciardi Bros., Inc., 706 Summer Ave., Newark, 4 story, basement, 50 x 125 ft., brick, structural steel, plain found., [illegible] Walnut St., separate contracts. $[illegible] R. Bottelli, 43 Branford Pl., Newark. Noted July 12.

N. J., East Orange—APARTMENT—M. Spurr, 271 Leslie St., Newark, 3 [illegible] basement, 100 x 125 ft., brick, steel, [illegible] found., Rhode Island Ave. and Brook[illegible] St., separate contracts. $150,000. S. C[illegible] 134 Branford Pl., Newark, archt.

N. J., Fairview — APARTMENT — D. Scenza & Miscione, Broad St. and Anderson Ave., 4 story, basement, 100 x 100 ft., brick, steel plair found., Broad St. and Anderson Ave., separate contracts. $[illegible] 000. Luigi-Vivoli, 411 Palisades Ave., Cliffside, archts.

N. J., North Bergen (Ind. br. Weehawken) — APARTMENT — Cigolini & Leone, Bway. and 34th St., 5 story, basement, 75 x 100 ft., brick, steel, plain found., separate contracts. $150,000. L. Vivoli, 411 Palisade Ave., West New York, archt. Noted June 28.

N. J., Passaic—ADMINISTRATION and BUS GARAGE—Pub. Serv. Co., Co-ordinate Transport, 188 Ellison St., Paterson, 1 story, basement, 230 x 277 ft., brick, steel, plain found., 860-78 Main Ave., separate contracts. $150,000. Private plans.

N. J., Passaic—APARTMENT—P. Bellet, 422 Lexington Ave., Clifton, general contract 4 story, basement, 80 x 140 ft., brick, steel, plain found., 160-172 Bloomfield Ave., to B. Gallison, 474 Gregory Ave. Est. $170,000.

N. J., Paterson — BANK — Labor Co-Operative Natl. Bank, 125 Bway., general contract 2 story, basement, brick, steel, plain found., Washington St., to C. R. Hedden, 357 South Orange Ave., Newark. Est. $150,000.

N. J., Rahway—HOSPITAL—Rahway Memorial Hospital, 81 Jacques Ave., general contract 2 story, basement, brick, steel, plain found., to H. Montague & Sons, Inc., 15 Exchange Pl., Jersey City. Est. $500,000. This corrects report in June 21 issue. Noted June 21.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENTS—Rutgers Apartment Corp., 118-2nd Ave., two 4 story, basement, 50 x 100 ft. brick, stucco, steel, plain founds., separate contracts. $150,000. C. I. Goldberg, 437 Bway., Bayonne, archt. Noted June 14.

Pa., Overbrook (mail Phila.)—APARTMENT—Green Hill Farms Hotel, M. Wood, mgr., 8 story, brick, steel, city line and Lancaster Pike, to D. A. McClelland, Drexel Bldg., Phila. Est. $500,000.

Pa., Phila.—BANK, GARAGE and OFFICE—J. J. Greenberg, Morris Bldg., 15 story, basement, 86 x 146 ft., brick, steel, concrete, plain found., to Wark Co., 1600 Walnut St. Noted May 10.

Ala., Montevallo — DORMITORY — Warren, Knight & Davis, archts., Empire Bldg., Birmingham, 4 story, basement, 94 x 145 ft., rein.-con., brick, plain found., to A. C. Samford, 24 Galena Ave., Montgomery, for State. $140,000. Noted June 21.

La., Coushatta—COURT HOUSE—Red River Parish, c/o J. H. Mangham, clk., general contract 3 story, rein.-con., brick, to Sandquest & Snow, Inc., Alexandria. $103,410. Noted June 7.

Tenn., Nashville—STORE—M. J. Smith Estate, 3 story, brick, 54,000 sq.ft. floor space, 1204-10 Bway., to Sumner Constr. Co., 155-4th St. Sears, Roebuck Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Ky., Louisville—OFFICE and STORE—Theatre Realty Co., c/o Fidelity & Columbia Trust Co., general contract 4 story, basement, 70 x 132 ft., rein.-con., brick, steel, terra cotta, 639-4th Ave., to General Constr. Co., 229 South 5th St. Est. $150,000. Noted May 24.

O., Cincinnati — ADMINISTRATION — Comrs. Hamilton Co., Court House, 3 story, basement, rein.-con., brick, plain found., Gurley Rd., to W. Miller & Sons, 2017 Elm St., $175,000. Noted May 4.

O., Cleveland—APARTMENT—B. Bialosky, Cornell Rd. near East 115th St., masonry contract 3 story, basement, 89 x 108 ft., brick, to Meckler Bros., 1021 Thornhill Dr. Est. $150,000. Noted June 14.

O., Ravenna—STORE APARTMENT and THEATRE—Ravenna Theatre Co., c/o S. Rosenthal, 703 Perry Payne Bldg., Cleveland, 3 story, basement, 62 x 180 ft., brick, steel, to P. L. Frank Constr. Co., Ravenna. Est. $150,000.

Ind., Huntington — DEPOT — Wabash R.R. Co., 1765 Railway Exch. Bldg., St. Louis, Mo., R. H. Howard, ch. engr., 1 story, 60 x 60 ft., rein.-con., brick passenger and freight depot, to Walsh Constr. Co., 19 South LaSalle St., Chicago, Ill.

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Buildings—Commercial (Continued)

Ind., Indianapolis—APARTMENT—Meridian & 36th St. Realty Co., 8 story, basement, 48 x 135 ft., rein.-con., brick, steel, terra cotta, 36th and Meridian Sts., to A. Bonham & Co., 609 Chamber of Commerce. Est. $350,000.

Ind., Indianapolis—HOSPITAL—Insane Hospital, 3000 West Washington St., general contract infirmary for men, rein.-con., brick, steel, to Service Constr. Co., 301 Castle Hall, Indianapolis. Est. $150,000. Noted June 21.

Ind., Shelbyville—CITY HALL—J. A. Emmert, mayor, general contract 2 story, basement, rein.-con., brick, steel, to Schlegel & Roehm, 602 Lexington Ave., Indianapolis. Est. $150,000. Noted June 21.

Mich., Kalamazoo — HOSPITAL — New Progress Hospital, 1 and 2 story, basement, 40 x 165 ft., 1 story, 40 x 210 ft. wing, rein.-con., brick, plain found., to De Right Bros. Constr. Co., 301 McNair Bldg. Est. $200,000.

Ill., Chicago —APARTMENT— Holabird & Root, archts., 333 North Michigan Ave., general contract 22 story, 91 110 ft., to Johnson Bros., 77 West Washington St. Est. $1,500,000. Noted May 24.

Wis., Kenosha—THEATRE—North Shore Development Co., J. Josephson, pres., general contract 6 story, basement, 124 x 124 ft., brick, tile, stone, steel, rein.-con., to Immel Constr. Co., 19 West Division St., Fond du Lac; cut stone, to C. W. Tingley, 720-31 31st St., Milwaukee; structural steel, to Vulcan Mfg. Co., 490 Main St., Fond du Lac.

Ia., Sioux City—APARTMENT—D. L. Rodin, 620 Pierce St., 4 story, basement, 70 x 150 ft., rein.-con., brick, terra cotta, 10th and Pierce Sts., to B. E. Short, 420 Court St. Est. $225,000.

Mo., St. Louis—HOTEL—Local Syndicate, c/o W. R. Orthwein, Boatmens Bank Bldg., 16 story, basement, 83 x 160 ft., rein.-con., brick, stone, terra cotta, to McKelvey-Carter Constr. Co., 3800 West Pine Blvd. Est. $1,250,000. Noted May 17.

Ark., Ft. Smith—HOTEL—Goldman Hotel Co., c/o J. A. England, mgr., general contract 6 story, brick, rein.-con. addition, Garrison ve., to J. H. Reddick, Ft. Smith, $87,730. Noted June 28.

Okla., Tulsa — COLISEUM — Magic City Amusement Co., structural steel contract 1 and part 2 story, part basement, 160 x 300 ft., rein.-con., brick, steel, plain found., Elgin St., to Kansas City Structural Steel Co., Mid-Continent Bldg., $30,500. Total $300,000.

Okla., Tulsa—OFFICE—A. M. Atkinson, archt., Mid-Continent Bldg., 5 story, 80 x 140 ft., and 3 story, 31 x 52 ft., rein.-con., brick, Main St., to L. E. Myers Co., Dallas, Tex., for Pub. Serv. Co., Main St., $428,000. Noted May 31.

Okla., Tulsa—STORE—May Bros., 212 Main St., 3 story, basement, 50 x 140 ft., rein.-con., brick, plain found., Main St., to Rucks Brandt. Mid-Continent Bldg., $114,000. Noted June 28.

Calif., Beverly Hills — APARTMENT — Goldbogen & Co., Taft Bldg., Los Angeles, story, basement, concrete, steel, to M. Grodin 3230 Sunset Blvd. $200,000. Noted May 24.

Calif., Burbank—THEATRE and OFFICE E. White, c/o L. Seldon, archt., Byrne Bldg., Los Angeles, brick, steel, hollow tile, Magnolia Park, to O'Neil Co., Rives-Strong Bldg., Los Angeles, $200,000. Noted June 28.

Calif., Corona—THEATRE, STORE and OFFICE—Corona Security Corp., 2 story, 150 x 150 ft., brick, 6th and Ramona Sts., to P. Glass, c/o Corona Securities Co., Corona, $150,000.

Calif., Glendale—APARTMENT—T. V. Dutton, 4 story, 102 room, brick, South Burlington Ave., to Dutton, The Home Fynder, Inc., 104 North Glendale Ave.

Calif., Los Angeles—APARTMENT—W. R. Adams, 247 North Western Ave., 5 story, basement, steel, concrete, Franklin Ave., to Cramer & Wise, I. W. Hellman Bldg. Est. $175,000.

Calif., Los Angeles—APARTMENT—L. Callahan, 718 Edwards-Wildey Bldg., 7 story, basement, 112 x 150 ft., steel, rein.-con., South Serrano St., to B. Shapiro, 211 Wilshire Bldg., $250,000 or more.

Calif., Los Angeles — APARTMENT— J. H. Layton, c/o L. L. Jones, 2504 West 7th St., 7 story, basement, rein.-con., Carondelet St. and Ocean View Ave., day labor and segregated contracts. $275,000. Noted June 28.

Calif., Los Angeles—APARTMENT—A. McGinnis, 4 story, basement, 95 x 105 ft., brick, Sunset Blvd., to Bessolo & Gualano, Pacific Electric Bldg., $165,000.

Calif., Los Angeles — APARTMENT — Owner, 7 story, 50 x 106 ft., rein.-con., timber, Valencia near 9th St., to J. M. Cooper, 322 Rives-Strong Bldg., $175,000.

Calif., Los Angeles—APARTMENT—I. W. Parker & L. J. Brill, 904 Commercial Exch. Bldg., 6 story, basement, 120 x 150 ft. incl. automobile storage in basement, Serrano Ave. between 8th and 9th Sts., to Parker Constr. Co., 904 Commercial Exch. Bldg., $350,000.

Calif., Los Angeles—OFFICE and LOFT —"Bullocks, Inc.," plans by Parkinson & Parkinson, New Title Insurance Bldg., 2 story, basement, 150 x 165 ft., brick, Wilshire Blvd., to P. J. Walker Co., Garland Bldg.

Calif., Pomona — HOSPITAL — Pomona Valley Hospital Assn., 4 story, 40 x 85 ft., rein.-con., timber, Pomona St., to Storm & Mahoney Inc., Pomona, $150,000. Noted July 14, 1927.

Calif., San Bernardino — THEATRE, STORE and OFFICE—Balch & Stanberry, archts., Film Exch. Bldg., Los Angeles, 2 story, basement, rein.-con., 1,600 seating capacity, I and Court Sts., to Beller Constr. Co., 6519 Hollywood Blvd., Los Angeles, for West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles. $250,000. Noted June 28.

Calif., San Francisco—APARTMENT—V. Fassio, 270 Turk St., 6 story, basement, rein.-con., steel, Leavenworth and Chestnut Sts., to Mission Concrete Co., 125 Kisseling St., $155,000.

Calif., San Francisco—OFFICE—Robert Dollar Co., 311 California St., 10 story, basement, Class "A" addition, California St., to K. E. Parker Co., 135 South Park St., San Francisco, $200,000. Noted Apr. 21, 1927.

Calif., San Francisco—OFFICE—C. W. McCall, archt., 1404 Franklin St., 10 story, basement, Class "A" annex, to K. E. Parker Co., 135 South Park St. $200,000. Noted June 28.

Que., Montreal—THEATRE—B. Isaacs, Arlington Ave., Westmount, 80 x 110 ft., brick, stone, St. Catherine St. W., to Bremner Norris & Co. Ltd., 15 McGill College. Est. $250,000.

Buildings—Industrial

Proposed Work

N. Y., Long Island City—FACTORY—Rug Renovating Co., Ridge St., 2 story, 102 x 141 ft., brick, Hopkins Ave., Ridge and Dey Sts. $40,000. Private plans.

N. Y., Mamaroneck—DRY CLEANING PLANT—Owner, c/o J. J. Gloster, archt., 1440 Bway., New York, bids early in August, Fayette St. and Fenimore Rd. $60,000.

N. Y., New York—SERVICE GARAGE—J. L. Grubel, 80 Maiden Lane, plans by N. Langer, 81 East 125th St., 2 story, 100 x 200 ft., brick, rein.-con., 157th St. and Cromwell Ave. $85,000.

N. Y., New York—SERVICE GARAGE —Halcon Constr. Corp., F. B. Hill, pres., 3470 3rd Ave., plans by S. J. Kessler, Inc., 332 East 149th St., 2 story, 80 x 124 ft., brick, rein.-con., Bronx Blvd. and 230th St. $60,000.

N. Y., New York—SERVICE GARAGE and STORE—Harnet Realty Co., H. Perlman, pres., 250 West 57th St., plans by Cohen & Siegel, 45 West 57th St., 2 story, 100 x 125 ft., brick, rein.-con., Westchester and Pugsley Aves. $62,500.

N. Y., New York—SERVICE GARAGE—Leo Silver, Inc., 391 East 149th St., plans by Cohen & Siegel, 45 West 57th St., 2 story, 150 x 180 ft., brick, rein.-con., Fordham Rd. and Bathgate St. $50,000.

N. Y., New York—SERVICE GARAGE—W. Schwere, 1242 Mayflower Ave., plans by J. J. Dunigan, 2382 Grand Concourse, 2 story, 97 x 100 ft., brick, rein.-con., Seabury and Westchester Aves. $60,000.

N. Y., New York—SERVICE GARAGE—T. & R. Constr. Co., S. Tucker, pres., Garrison and Whittier Sts., plans by C. Schaefer, Jr., 332 East 149th St., 1 story, 78 x 293 ft., brick, rein.-con., Brook Ave. and 167th St. $65,000.

N. Y., North Pelham (mail New York)—PRINTING PLANT—Sanborn Map Co., 629 5th Ave., New York, revised plans by O. Cadmus, 157 East 44th St., New York, and bids in November, printing plant. $100,000.

N. J., Beachhaven—ELECTRIC PLANT —Bd. Boro Council, Boro Hall, plans by W. H. Boardman, 426 Walnut St., Phila., Pa., 1 story, basement, brick, stucco, steel, plain found. $50,000.

N. J., Belvidere—DYE HOUSE, POWER PLANT, etc.—Sunbury Converting Wks., c/o W. E. S. Dyer, engr. and archt., Land Title Bldg., Phila., Pa., dye house, finishing buildings, stock storage, office, power plant.

N. J., Carlstadt (Ind. br. Rutherford)—FACTORY—Koeppen Metal Products, Inc., 361 Manhattan Ave., Union City, 2 story, basement, 80 x 350 ft., rein.-con., brick, steel, plain found., State Highway near Carlstadt Sta. $60,000. Private plans.

N. J., Irvington (br. Newark)—PIPE PLANT—American Natl. Moulding Co., 46 Coit St., plans by Embro Corp., 111 Academy St., Newark, 1 story, basement, 55 x 200 ft., brick, tile, plain found., Coit St. $40,000.

N. J., Plainfield—FACTORY—Owner, c/o A. M. Korff, archt., 203 Park Ave., 1 story, basement, 55 x 100 ft., brick, steel, plain found., North Ave. $40,000.

Pa., Phila.—ABATTOIR and OFFICE —West Phila. Stock Yards, E. B. Shriver, pres., 30th and Race Sts., abattoir and office building 36th St. and Grays Ferry Rd. $1,000,000.

Pa., Sunbury—POWER PLANT—Sunbury Converting Wks., c/o W. E. S. Dyer, engr. and archt., Land Title Bldg., extending power plant, equipment.

Va., Charlottesville—FACTORY—Frank & Sons, Inc., North Bergen, N. J., silk factory. $65,000.

N. C., Albemarle—MILL—Lillian Knitting Mills Co. addition. $250,000.

N. C., Raleigh — MACHINE SHOP, FOUNDRY, etc.—Hiner Supply Co., rebuilding machine shop, foundry, recently destroyed by fire. $40,000.

Ga., Cartersville—HYDRAULIC ORE-WASHING PLANT—Georgia Manganese & Iron Co., Atlanta, plans by Perin & Marshall, 40 West 40th St., New York, plant. $250,000.

Miss., Greenville—POWER PLANT, etc. —City, c/o F. Shelben, mayor, preliminary surveys electric light and power plant, distribution system. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

O., Cleveland — SUB-STATION — Cleveland Electric Illuminating Co., 75 Public Sq., 2 story, brick, steel, concrete, 1320 West 25th St. $90,000. Private plans.

Ind., South Bend — PLANT — Farmers Dairy Co., Mishawaka, soon lets contract 2 story, basement, 37 x 54 ft., rein.-con., brick, steel, 724 South Main St. $46,000. W. W. Schneider, 213 Colfax St., archts.

Mich., Ferndale (br. Detroit) — Steel & Tubes, Inc., H. B. Wick, pres., 224 East 131st St., Cleveland, O., plans by Sessions Eng. Co., 228 North LaSalle St., Chicago, Ill. (1st unit), 1 story, 210 x 500 ft., brick, steel factory. $200,000.

Wis., Milwaukee — COLD STORAGE WAREHOUSE — Wisconsin Cold Storage Co., 178-88 Florida St., plans by C. Ringer & Son, 432 Bway., 8 story, basement, brick, tile, concrete, steel, plain found.

Wis., Milwaukee — FACTORY — International Harvester Co., W. B. Swift, assn. mgr., 606 South Michigan Ave., Chicago, Ill., soon lets contract 3 story, 108 x 302 ft., rein.-con., brick, addition, plain found., Park St. Private plans.

Kan., Wichita—PACKING PLANT—F. Dold & Sons, packing Co. plans by Henschin & McLaren, 1637 Prairie Ave., meat packing plant. $150,000.

Texas — PACKING PLANTS — Texas Citrus Fruit Growers Exch., c/o J. Shary, pres., Mission, soon takes bids three 2 story, rein.-con. plants, one at La Feria, one at McAllen, other at Weslaco. $75,000 each incl. equipment, machinery. Private plans.

Tex., Meadow — COTTON GIN — Texas Farm Bureau Cotton Assn., c/o Secretary, 1 story, 50 x 170 ft., galvanized and corrugated iron, semi-fireproof cotton gin. $40,000.

Tex., Slaton—OIL MILL—Abilene Cotton Seed Oil Co., Abilene, 1 story, 90 x 360 ft., steel, corrugated galvanized iron mill. $75,000 or more. Private plans.

Okla., Hazel—ABSORPTION PLANT—Cushing Refining & Gasoline Co., Cushing, gasoline absorption plant, near here. $60,000. Private plans.

Okla., Konawa—ABSORPTION PLANT —Cushing Refining & Gasoline Co., Cushing, L. A. Crenshaw, pres., natural gasoline absorption plant, near here. $50,000.

Okla., Maud — GAS PLANT — T. B. Slick Oil Co., Braniff Bldg., Oklahoma City, sketches natural gas plant. $40,000. Private plans.

Okla., Tonkawa—OIL REFINERY—Tonkawa Petroleum Co., H. Patterson, secy., 2 new high pressure crackling stills replacing part oil refinery, recently destroyed by fire. $65,000. Private plans.

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Buildings—Educational, Religious (Cont.)

Pa., Cannonsburg—SCHOOL—Bd. Educ., 2 story, basement, brick, concrete, steel, to C. W. Shimp, Martins Ferry, O. Est. $150,000. Noted May 31.

Pa., Glassport—HIGH SCHOOL—Glassport School Dist., general contract Junior High School, 2 story, basement, 106 x 204 ft., brick, steel, to Jeannette Lumber & Mill Co., Jeannette, $150,134; heating and ventilating, to W. M. Clark Co., Inc., 19 Lawrence St., New Castle, $32,160. Noted May 10.

Pa., Morganza—GIRLS' DORMITORY—Eric Fisher Wood Co., archts., 233 Oliver Ave., Pittsburgh, general contract 2 story, basement irregular sized brick, steel, concrete, for Pennsylvania Training School, to H. Miller & Sons, 2810 5th Ave., Pittsburgh. Est. $150,000. Noted June 28.

Md., Westminster—DINING HALL and SCIENCE—C. M. and J. G. Anderson, archts., 9 East Pleasant St., Baltimore, 3 story, basement, 35 x 139 ft., concrete, brick, steel, stone, to Thomas Hicks & Son, 106 West Madison St., Baltimore, for Western Maryland College. $150,000. Noted June 21.

N. C., Greensboro—SCHOOL—F. Archer, supt. Schools, 2 grammar schools, in Glendale and Pomona sections, to Angle-Blackford Co., Greensboro, $161,806. Noted June 21.

Ala., Birmingham — SCHOOLS — Bd. Educ., general contract 2 schools for colored children, to W. L. Coston & C. W. Hall, Birmingham, $181,660; plumbing and heating, to J. J. Reese, $28,212.

O., Canton—SCHOOL—Bd. Educ., general contract John Baxter School, 2 story, basement, incl. auditorium, gymnasium, Mayland Park, to R. Hevans Co., Daily News Bldg., $150,000. Noted Apr. 26.

O., Mt. Healthy—SCHOOL—Bd. Educ., 3 story, basement, 61 x 105 ft., rein.-con., brick, plain found., Comptom Rd., to E. Honneycutt, Shaffer St., Cincinnati, $140,000. Noted Apr. 5.

O., Shaker Heights (br. Cleveland) — SCHOOL—Bd. Educ., J. W. Main, clk., South Woodland and Woodbury Rds., 2 story, basement, rein.-con., brick, steel, to G. H. Moehlman, Norwalk, $311,825. Noted May 10.

Ind., Indianapolis—HIGH SCHOOL—School Comrs., 150 North Meridian St., general contract Arsenal Technical High School, rein.-con., brick, steel, to W. P. Jungclaus, 825 Massachusetts Ave., $130,656; heating and ventilating, to Freyn Bros., 1028 North Illinois St., $33,622. Noted Apr. 19.

Ind., Muncie—SCHOOL—School Comrs., general contract 1 story, basement, 200 x 220 ft., brick, steel, stone, to A. J. Glaser, Muncie. Est. $150,000. Noted June 28.

Mich., Detroit — CHURCH — Fourth Church of Christ Scientist, c/o Weston & Ellington, archts., 1507 Stroh Bldg., 1 story, basement, rein.-con., brick, steel, stone, plain found., to H. G. Christman & Burke, 315 Stevens Bldg. Est. $150,000. Noted Feb. 2.

Mich., Detroit — PARISH HOUSE — St. Paul's Methodist Episcopal Church, 13338 Mark Twain Ave., general contract 3 story, basement, 50 x 114 ft., brick, steel, plain found., Grand River and Hubbell Ave., to Max Colter, 1436 Maccabees Bldg. Est. $375,000.

Mich., St. Clair Shores—SCHOOL—Bd. Educ., A. W. Palmer, secy., 2 story, basement, 60 x 145 ft., rein.-con., brick, steel, plain found., Dist. 1, to R. Hill, 415 Brainard St., Detroit. Est. $150,000.

Ill., Downers Grove—SCHOOL—A. Coonley, 3501 Newark St. N.W., 2 story, basement, 168 x 230 ft., incl. auditorium, gymnasium, shower and locker rooms, to Guy & McClintock, Co., Oak Park. Est. $200,000.

Ia., Des Moines—CHURCH—Felt, Dunham & Kriehn, archts., 300 West 47th Sts., Kansas City, Mo., general contract 2 story, basement, rein.-con., brick, stone to A. C. Thomas-Guthrie Co., Endicott Bldg., St. Paul, Minn., for Beaver Avenue United Presbyterian Congregation. Est. $200,000. Noted June 21.

Mo., Columbia — CHURCH — Missouri Methodist Congregation, c/o F. F. Stevens, pastor, 218 Guitar Bldg., completing 2 and 3 story, balcony, 57 x 108 ft., and 87 x 113 ft., rein.-con., brick, cut stone, to J. Epple Constr. Co., Fayette and Ferguson. Est. $425,000. Noted June 14.

Mo., St. Louis — CHURCH — Bethany Evangelical Lutheran Church, A. Behnke, pastor, 4108 Natural Bridge Ave., 1 story, basement, 58 x 121 ft., rein.-con., brick, stone, to Kellermann Constr. Co., Victoria Bldg. Est. $150,000. Noted June 7.

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Mo., St. Louis—SCHOOL—Central Institute for Deaf, M. A. Goldstein, dir., 818 South Kingshighway, general contract 4 story, basement, 78 x 213 ft.; rein.-con., brick, terra cotta, Kingshighway and Papin St., to Dickie Constr. Co., Louderman Bldg. Est. $250,000.

Tex., Odessa—SCHOOL—Bd. Educ., c/o Secretary, 2 story, 80 x 252 ft., rein.-con., semi-fireproof, plain found., to D. N. Leaverton, Lubbock. $155,000.

Calif., Moraga—AUDITORIUM and LIBRARY—St. Mary's College, 1,200 seating capacity, Class "A", to J. P. Brennan, 2233 California St., Berkeley. $1,000,000.

Ont., Newmarket—HIGH SCHOOL—High School Bd., 2 story, basement, rein.-con., brick, steel, plain found., to Avery Shipp Constr. Co., 2850 Dundas St. Est. $150,000.

Ont., Toronto — PARISH HALL and SUNDAY SCHOOL—St. Pauls Angelican Church, Bloor and Jarvis Sts., masonry contract for 2 story, basement, rein.-con., steel, plain found., to Page & Co., 353 Weston Rd.; carpentry work, to J. C. Scott Co. Ltd., 106 River St.; plumbing, heating, electrical work, to Bennett & Wright, 72 Queen St. W.; structural steel, to Dominion Bridge Co., Reford Bldg. Est. $150,000. Noted Feb. 23.

Ont., Welland — SCHOOL — A. B. MacLean, chn. School Bd., general contract 3 story, basement, 70 x 160 ft., concrete, brick, steel, stone, Dennistoun St., to R. Timms, 66 Randolph St., $126,877; plumbing and heating, to J. H. Crow, East Main St., $29,905. Noted June 21.

Federal Government Work

Proposed Work

Conn., Bridgeport—DREDGING—U. S. Engineers Office, Province, R. I., dredging in Bridgeport Harbor.

N. Y., Olcott—SUPERSTRUCTURE—U. S. Engineer Office, Buffalo, concrete superstructure on West Pier Olcott Harbor.

Del., Wilmington—ROADS—U. S. Engineer's Office, concrete surfacing roads in Cecil Co., Md., in lieu of construction of Pivot Bridge, C. & D. Canal.

Va., Quantico—POWER HOUSE, etc.—Spec. 5601—Navy Dept., Bureau Yards & Docks, Wash., D. C., power house, pump house, disciplinary barracks, 7 apartment houses, industrial group at Marine Barracks.

Va., Quantico—ROADS—Spec. 5644—Bureau Yards & Docks, Navy Dept., Wash., D. C., received no bids July 6, bituminous paving roads at Marine Barracks. Noted July 5.

D. C., Wash.—HIGH PRESSURE RETURN LINES—Spec. 5606—Navy Dept., Bureau Yards & Docks, renewal high pressure return lines at Naval Hospital.

Tenn., Memphis—CEMENT—U. S. Engineers Office, furnishing 100,000 sacks American Portland cement.

Missouri and Kansas—CLUMP DIKES—U. S. Engineer's Office, Kansas City, Mo., 2,800 ft. 5 three row pile clump dikes in Missouri River at St. Josephs Bend, Mo.; 5,050 ft. 3 row clump dikes in Missouri River adjacent to Aviation Field at Ft. Leavenworth, Kan.

Texas—DREDGING—U. S. Engineer Office, Galveston, dredging in channel from Galveston Harbor to Texas City.

Bids Desired

N. Y., Syracuse—HYDRAULIC LIFT—July 24, by Treas. Dept., at office Supervising Archt., Wash., D. C., hydraulic lift for U. S. Post Office and Court House.

N. J., Maurice River—DREDGING—July 24, at office U. S. Engineer, Wilmington, Del., dredging, adv. E. N.-R., July 19.

Delaware—DREDGINIG—July 30, at office U. S. Engineer, Wilmington, Del., Murderkill River; adv. E. N.-R. July 19.

Ind., Fort Benjamin Harrison — BARRACKS—July 31, by Constructing Quartermaster, 2 barracks; adv. E. N.-R. July 19.

Ind., Hammond — REMODELING — Aug. 15, my Treas. Dpt., at office Supervising Archt., Wash., D. C., court house and post office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. July 19.

Ill., Great Lakes—HEATING MAINS—Spec. 5487—July 25, at Navy Dept., Bureau Yards & Docks, Navy Dept., outside steam distribution and return systems, watermains and drains at hospital.

Mich., Detroit—DREDGING—Aug. 6, at U. S. Engineer Office, Detroit, Middle Neebish Channel, St. Marys River; adv. E. N.-R. July 19.

Mich., Wyandotte — FOUNDATIONS — July 31, by Treas. Dept., Wash., D. C., at office J. A. Wetmore, superv. archt., for U. S. Post Office; adv. E. N.-R. July 19.

Texas—DREDGING—Aug. 1, at U. S. Engineer Office, dredging Houston Ship Channel; adv. E. N.-R. July 19. Noted June 28.

Texas—DREDGING—Aug. 15, at office U. S. Engineer, Galveston, channel between Aransas Pass and Corpus Christi; adv. E. N.-R. July 19.

Colo., Denver—VALVES—Aug. 15, by Chief Engineer Bureau of Reclamation six 60 in. internal differential needle valves in Echo Dam, Salt Lake Basin Project, Utah; 2 short body type valves in Gibson Dam, Sun River Project, Montana; 2 long body type in Coolidge Dam, San Carlos Project, U. S. Indian Irrigation School, Ariz. P. W. Dent, acting comr.; adv. E. N.-R. July 19.

Calif., San Diego—GATEWAY—Spec. 5598—Aug. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., entrance gateway, at Naval Operating Base (Hospital). Noted July 12.

Cuba, Guantanamo Bay—RAILWAY—Spec. 5587—Aug. 15, at Bureau Yards & Docks, Navy Dpt., Wash., D. C., reconstructing Marine Railway; adv. E. N.-R. July 19.

Bids Received

Ala., Mobile—RUNWAY and WATERPROOFING—Treas. Dept. at office Supervising Archt., Wash., D. C., runway and waterproofing, at U. S. Quarantine Station, from Jett-Quill Constr. Co., Mobile, $3,800 and $9,726 respectively. Noted June 14.

Contracts Awarded

Va., Fredericksburg—REMODELING and ENLARGING—U. S. Engineer Office, remodeling and enlarging U. S. Post Office, to C. Weitz Sons, 715 Mulberry St., Des Moins, Ia., $17,486 (120 days). Noted July 12.

O., Cleveland—QUARTERS, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., attendants and nurses quarters, 2 garages at Marine Hospital, to Virginia Eng. Co., 1st Natl. Bank Bldg., Newport News, Va., $143,000 (420 days). Noted July 5.

Unclassified

Proposed Work

AUDITORIUM—**New Bedford, Mass.**—E. T. Caswell, 590 Pleasant St., 1 story 115 x 145 ft., brick, steel truss, Purchase St. $75,000. Private plans.

COAL POCKET—**New York, N. Y.**—M. Warm, 35 St. Pauls Pl., plans by Nicholson Co., 247 Park Ave., 44 x 44 concrete, Pelham Bay Parkway, New York, New Haven & Hartford right-of-way. $20,000.

PLAYGROUND—**Union, N. J.**—Bd. City Council, City Hall, preliminary plans playground, incl. grading, sodding, playground apparatus. $25,000. J. Maulbeck, City Hall, engr.

GRAIN ELEVATOR—**Sioux City, Ia.**—Terminal Grain Corp., 630 Grain Exch. Bldg., soon takes bids 500,000 bu. grain elevator, rein.-con., 14th and Division Sts. $100,000. Homer & Wyatt, 468 Bd. of Trade Bldg., Kansas City, Mo., archts. Excavation and piling for above, awarded to E. A. Whitney & Son, 619 5th St. Noted July 12.

OVERHEAD CROSSING — **LeSueur, Minn.**—Northern Pacific Ry. Co., H. E. Stevens, ch. engr., Railroad Bldg., St. Paul, rein.-con. overhead crossing over tracks. M. F. Clements, c/o owner, bridge engr.

GRAIN ELEVATOR—**Salina, Kan.**—Robinson Milling Co. bids early in 1929, grain elevator, rein.-con., incl. 4 round tanks, 6 interstice bins, 92 ft. high 28 ft. diam., 260,000 bu. capacity. I. L. Zerbe 139½ South Santa Fe St., archt.

SUB-DIVISION DEVELOPMENT — **Corpus Christi, Tex.**—Kelly Bros., Inc., c/o R. Kelly, developing 12 acre sub-division, incl. all utilities. $175,000. Private plans.

TRANSMISSION LINE — **Oklahoma** — South West Light & Power Co., Braniff Bldg., Oklahoma City, preliminary plans 13,200 volt transmission line from Hobart to Roosevelt. $30,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

TRANSMISSION LINE — **Oklahoma** — South West Light & Power Co., Braniff Bldg., Oklahoma City, preliminary plans 13 mi. 33,000 volt electric transmission line from Bessie to Corn. $35,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

GAS SYSTEM—**Atoka, Okla.**—Southern Utilities Co., Durant, granted franchise natural gas system. $30,000. Private plans.

GAS SYSTEM—**Beaver, Okla.**—City preliminary plans natural gas distribution system. $25,000. A. L. Kimball, mayor.

Unclassified (Continued)

UNDERPASS—**Cache, Okla.**—State Hy. Dept., Oklahoma City, 2 span, 60 ft. rein.-con. underpass under Frisco R.R., Comanche Co., $30,000. C. R. Mandigo, hy. engr.

SWIMMING POOL—**Hollis, Okla.**—City preliminary plans swimming pool. $25,000. Coon & McKinnon, Guthrie, engrs.

LIGHTING SYSTEM—**Lone Wolf, Okla.**—"White Way" lighting system. $25,000. Address Mayor.

GRAIN ELEVATOR—**Sallisaw, Okla.**—C. Carson, Stilwell, grain elevator. $30,000. Private plans.

LIGHTING SYSTEM—**Temple, Okla.**—Preliminary plans "White Way" lighting system. $25,000. H. Sullivan, Temple, engr.

GAS SYSTEM—**Texola, Okla.**—Upham Gas Co., Wichita Falls, Tex., granted franchise natural gas system. $25,000. Private plans.

GAS SYSTEM—**Verden, Okla.**—City preliminary plans natural gas distribution system. $25,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

GAS SYSTEM — **Weatherford, Okla.** — Central West Gas Co., W. J. Hollerman, secy., Mer. Natl. Bank Bldg., Oklahoma City, granted franchise natural gas system. $60,000. Private plans.

DOCK and WHARF—**Los Angeles, Calif.**—City of Los Angeles Harbor Comn. dock and wharf, concrete piles and deck with rein.-con. retaining wall surrounding entire property, Berth 181. $100,000. G. F. Nicholson, Pier A, San Pedro, engr.

SUB-STATION — **Modesto, Calif.** — Modesto Irrigation Dist., rein.-con. substation, 12th and B Sts. $25,200. B. W. Creim, Modesto, electric engineer for dist.

LIGHTING SYSTEM—**Oakland, Calif.**—Ornamental lighting system, 323 standards on San Pablo Ave., Clay and Washington Sts. To exceed $25,000. G. N. Randle, city engr.

LIGHTING SYSTEM—**Riverside, Ont.**—See "Streets and Roads."

Bids Desired

OFFAL RECEIVING PLATFORM—**Cambridge** (br. Boston), **Mass.**—City, J. J. Terry, supt. P. Building, City Hall, taking bids concrete, timber offal receiving platform, Raymond and New Sts. $60,000. Blackall, Clapp & Whittemore, 31 West St., Boston, archts. Noted June 21.

HEATING SYSTEMS—**Kings Park, N. Y.**—Aug. 1, by Comr. Mental Hygiene, Albany, remodeling heating systems in Wards 51 and 52, Group 2, Building C, Kings Park State Hosital; adv. E. N.-R. July 19. Noted July 12 under "Buildings Commercial."

BORINGS—**Long Island City, N. Y.**—July 20, by Bd. Transportation, 49 Lafayette St., New York, borings. Route 108 along Northern Blvd., Bway., Queens Blvd. and Kew Gardens Rd., Queens Boro.

SUBWAY—**Long Island City, N. Y.**—July 27, by Bd. Transportation, 49 Lafayette St., constructing Sect. 1, Route 108 along and under Jackson Ave. and Northern Blvd. from Queens St. to 37th St., Queens Boro.

GATE SYSTEMS — **Napanoch, N. Y.** — Aug. 2, by Comr. Dept. Correction, 11 North Pearl St., Albany, gate systems at Institution for Defective Delinquents; adv. E. N.-R. July 19.

DUMP, DUMPING PLATFORM, etc.—**New York, N. Y.**—July 20, by M. Cosgrove, comr. Docks, Pier A, Battery Pl., North River, constructing East 73rd and East 74th St. dump, East River, dumping platform, ramp, removals, granite and asphalt block paving, electrical work, plumbing and water supply, Contr. 1889.

FERRYBOATS—**New York, N. Y.**—Aug. 1, by L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, 2 double end steel diesel electric ferryboats for Manhattan State Hospital, Wards Island; adv. E. N.-R. July 19. Noted June 21.

FERRYBOAT MACHINERY—**New York, N. Y.**—Aug. 15, by L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, machinery for 2 double end diesel electric ferryboats for Manhattan State Hospital, Wards Island; adv. E. N.-R. July 19. Noted June 21.

REFRIGERATION WORK—**New York, N. Y.**—Aug. 8, by Comr. Mental Hygiene, Albany, refrigeration work, equipment for New York State Psychiatric Institute and Hospital; adv. E. N.-R. July 19.

STATION FINISH WORK—**New York, N. Y.**—July 31, by Bd. Transportation, 49 Lafayette St., station finish work for 175th, 181st, 190th, Street-Overlook Terrace, Dyckman-200th and 207 St. Stations.

SUBWAY—**New York, N. Y.**—July 24, by Bd. Transportation, 49 Lafayette St., constructing Sect. 1-A, Route 8, part of 14th St.—Eastern Rapid Transit R.R.

HEATING WORK, etc.—**Ossining, N. Y.**—Aug. 16, by Comr. Correction, Dpt. Correction, 11 North Pearl St., Albany, heating work for installing mechanical stokers and replacing feed water heater, etc. Sing Sing Prison; adv. E. N.-R. July 19.

CONCRETE LAMP POSTS—**New Jersey**—July 23, by State Hy. Comn., Broad St. Bank Bldg., Trenton, 112 concrete lamp posts with bronze brackets, incl. balustrade posts on which lamp posts are set and other incidental work on Route 1, Extension 3-12-13-14 A, in Jersey City and Newark. $25,000. State Hy. Engineer, 921 Bergen Ave., Jersey City, engrs.

FRESH AIR CAMP—**Long Branch, N. J.**—July 23, by Meyers, Bigelow & Shanley, archts., 24 Walnut St., Newark, general contract 1 and 2 story, basement, 150 x 200 ft., brick, stucco, plain found., Ocean and Atlantic Aves., for Salvation Army, 120 West 14th St., New York, $200,000.

TURBINE GENERATOR — **Rushville, Ind.**—July 24, by City Council, 1,500 kw. turbine generator with exciter and auxiliaries, condenser and auxiliaries. C. R. Berry, city clk.

SWIMMING POOL, etc.—**Brea, Calif.**—G. L. May, city clk., taking bids 45 x 105 ft., rein.-con., tile pool, 10 x 45 ft. wading pool, bath house.

LIGHTING SYSTEM—**Los Banos, Calif.**—V. G. Bryant, city clk., taking bids ornamental electrolier system on 1 and 6th Sts. $25,000 or more. Noted July 12.

PILE WHARF—**Clarks Harbor, N. S.**—July 25, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., pile wharf. $25,000.

Bids Received

FAIR BUILDINGS—**Syracuse, N. Y.**—Commissioner Agriculture & Markets, Albany, new agricultural and historical building, Syracuse State Fair Grounds, from Shane Constr Co., Hills Bldg., Proposal 1 $50,500, Proposal 2 $49,000, Proposal 3 $46,400; electrical work, from M. H. Salmon Electric Co., 804 East Water St., Proposal 1 $1,010 & Proposal 2 $950.

UNDERGROUND STEAM CONDUITS—**Totowa** (mail Paterson), **N. J.**—C. N. Leathem, state archt., Trenton, June 20, underground steam conduits, from H. W. Porter Co., Inc., Newark, $23,338; underground steam and return lines, from G. J. Tobin, Plainfield, $8,792; sewers, storm water drains, from New York Sewage Disposal Co., Grand Central Terminal, New York, $10,700; underground high tension electric and telephone lines, from Mercer Electric Co., 338 South Broad St., Trenton, $11,450, all above for New Jersey Training School for Females.

LIGHTING SYSTEM—**Seattle, Wash.**—Cl y. June 29, lighting system on 1st Ave. S., from H. C. Moss, Melhorn Bldg., $54,892.

Contracts Awarded

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 2, Route 103, subsurface railway along and under Jay and Smith Sts. from Willoughby to Baltic Sts., to Rosenthal Eng. & Contg. Co., 21 East 41st St., New York, $4,880,738. Noted May 31.

MONUMENT—**High Point, N. J.**—High Point Park Comn., general contract 34 x 34 ft. granite, brick, steel monument, 218 ft. high, incl. industrial railroad to transport material to job, to Hoffman Constr. Co., Morris Park Ave., Bernardsville. Est. $300,000.

AIRPORT HANGAR—**Newark, N. J.**—Bd. City Comrs., general contract 1 story, 120 x 120 ft., brick, steel airplane hangar, to Shore Constr. Co., 94 Christie St., Newark, $54,645. Noted July 12.

PLAYGROUND—**West New York, N. J.**—Bd. Recreation Comrs., Municipal Bldg., constructing memorial playground, 10th St. and Bway., playground at Washington Pk. at Jackson St. between 13th and 15th Sts. and 23rd St. between Hudson and Palisade Aves., grading, to Conte & Corich, 650 Bergenline Ave., $31,220, fencing to Brook Iron Wks., 99 Church St., New York, $9,050. Noted July 13.

SHEET METAL, etc.—**New Orleans, La.**—Bd. Port Comrs., New Court House, sheet metal work, asbestos siding, metal sash and glazing in Poydras and Girod St. Wharf Sheds, to Blattman-Weiser Sheet Metal Wks., 1001 Toulouse St., $34,290. Noted Apr. 26.

UNDERPASS—**Shreveport, La.**—Texas & Pacific R.R. Co., E. F. Mitchell, ch. engr., Dallas, rein.-con., steel underpass, on Hotchkiss St., to T. P. Johnson, Dallas, Tex. $33,000.

CULVERTS—**Iowa**—See "Streets and Roads."

LIGHTING SYSTEM—**Cedar Rapids, Ia.**—Electric lighting system, incl. 154 standards, 14 regulators, 7 switches, single conductor cable, to H. J. Robertson Electric Co., 92-1st Ave. W., using G. E. form Novalux light, etc. $43,982. Est. $38,551. Noted June 21.

GRAIN ELEVATOR—**Sioux City, Ia.**—See "Proposed Work."

UNDERPASS CROSSING — **Hawley, Minn.**—Northern Pacific Ry. Co., rein.-con. underpass crossing, to Industrial Contg. Co., 3050 4th Ave., South Minneapolis. Est. $25,000. Noted Apr. 5.

GRAIN ELEVATOR — **Omaha, Neb.** — Nebraska Consolidated Mills Co., c/o A. R. Kinney, pres., 1513 Sherman Ave., 45 x 135 ft. grain elevator, 125 ft. high, rein.-con., 262,000 bu. capacity, 1600 Block Sherman Ave., to Edwin Ahlskog Co., 6226 Kimbark St., Chicago, Ill. Est. $80,000.

TRANSMISSION LINES — **Oklahoma** — South West Light & Power Co., Braniff Bldg., Oklahoma City, to C. L. Berger, Braniff Bldg., 19 mi. 33,000 volt electric transmission line from Sayre to Erick, $51,340 est. $55,000; 17 mi. from Duncan to Comanche, $46,640 est. $48,000; 24 mi. from Thomas to Arapahoe, $67,380 est. $70,000, 13 mi. from Willow to Brickman, $36,410 est. $33,000. Grand total $202,770. Noted Dec. 29.

TRANSMISSION LINE, etc.—**Washington**—City Council of Morton, transmission line between LaGrande and Morton and distribution system, to F. A. Keasel, 1004 North Cushman St., Tacoma, $65,000. Noted July 5.

ELEVATORS—**Seattle, Wash.**—Northern Life Insurance Co., 1118 5th St., furnishing, installing 1 service and 5 passenger elevators in 27 story office building, to Kaestner & Hecht, 1500 North Branch St., Chicago, Ill., $200,000. Noted Mar. 22 under "Buildings—Commercial."

LIGHTING SYSTEM—**Bakersfield, Calif.**—Ornamental lighting system on 18th St., to R. A. Wattson, 1026 North McCadden St., Los Angeles, $22,424. Est. $28,000. Noted June 14.

Materials

Bids Desired

PITCH JOINT FILLER and STONE—**New York, N. Y.**—July 26, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., 75 tons pitch joint filler, 5,000 cu. yd. ¾ in. stone.

MACADAM and CONCRETE—**Woburn, Mass.**—July 24, by Eastern Massachusetts Street Ry. Co., 38 Chauncy St., Boston, 15,000 sq.yd. 5 in. macadam or 6 in. concrete at company's bus garage, Harrison Avenue. Private plans.

CABLE—**Phila., Pa.**—July 24, by Dpt. City Transit, C. E. Myers, dir., City Hall Annex, 18,000 lin.ft. No. 14 A. W. G. soft-drawn annealed copper cable, Contr. 30.

STRUCTURAL STEEL, FROGS, and CROSSINGS—**Phila., Pa.**—July 25, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., structural steel for bridges, Contr. 58-1928; frogs and crossings, Contr. 59-1928.

PIPE—**Plant City, Fla.**—July 23, by Bd. City Comrs., 2,800 lin.ft. 18 in. vitr. clay pipe f.o.b. Plant City. E. H. Thompson, city mgr.; adv. E. N.-R. July 19.

CEMENT PLANT EQUIPMENT, etc.—**San Antonio, Tex.**—Terrell Bartlett Engineers, Calcasieu Bldg., taking bids equipment for cement plant, Austin Rd., point 8 mi. north of here, incl. cement machinery, sewerage system, waterwell equipment, water distributing pipe, etc., for Smith Bros. Properties, Inc., c/o J. W. Young, 431 South St. Marys St. Total $2,000,000. Noted June 7 under "Buildings—Industrial."

METER BOX RINGS—**Oklahoma City, Okla.**—Mayor and City Council in market 2,000 c.i. meter box rings. M. Peshek, city clk.

TIES—**Montreal, Que.**—July 25, at office G. P. MacLaren, genl. tie and timber agt. Canadian Natl. Express Bldg., beach, hard maple, oak, chestnut, yellow birch, hamlock, jackpine, princess pine, tamarac and cedar timber railway ties cut between Sept. 1, 1928 and May 1, 1929, delivered between Jan. 1, and Sept. 1, 1929, f.o.b. cars Canadian Natl. Rys.

Contracts Awarded

PIPE—**Baltimore, Md.**—Bd. Awards, rein.-con. pipe, to Lock Joint Pipe Co., 9 Rutledge Ave., Ampere, N. J., $54,580.

PORTLAND CEMENT—**Milwaukee, Wis.**—Central Bd. Purchases, J. W. Nicholson, purch. agt., 7,500 bbl. portland cement, to Tews Lime & Cement Co., 32 North Ave., at $1.94 per bbl. Noted July 12.

See proposal advertising on page 144

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UNIT PRICES

Bridge Approaches, Superstructure, Chicago, Ill.

Seven bids were opened by Sanitary District of Chicago, 910 South Michigan Ave., Apr. 19, for South Crawford Avenue Bridge Approaches, Superstructure, Contract 4. Involves construction of retaining walls, abutments, piers and superstructure for reinforced-concrete and structural steel viaduct approaches. Work consists largely of excavation, fill, reinforced concrete work, structural steel work and castings, paving and miscellaneous work on sewers, drains, manholes and conduits. Approaches will be constructed north of and south of South Crawford Avenue Bascule Bridge now being built over Main Drainage Channel of Sanitary District. Bidders are: (A) Underground Construction Co., 130 North Wells St., (awarded contract); (B) Warner Construction Co., 173 West Madison St.; (C) Van Sickle-Hilfer Co., 530 North Blvd.; (D) American Sewer & Drain Construction Co., Touhy and Kedzie Aves.; (E) Mackie-Thompson-Tamm, Inc., 228 North LaSalle St.; (F) M. E. White Co., 1735 Fullerton Ave.; (G) Great Lakes Construction Co., 25 East Jackson Blvd.

	A	B	C	D	E	F	G
13,000 cu.yd. earth excavation	$2.25	$1.75	$2.50	$2.90	$3.00	$4.20	$4.92
5 M. ft. b. m. sheeting and timbering	40.00	40.00	40.00	40.00	40.00	40.00	40.00
35,000 cu.yd. sand and gravel fill	2.75	1.90	1.88	2.90	3.50	2.50	5.80
5,900 cu.yd. conc. in cantilever retaining walls and in piers	16.00	16.00	11.34	22.40	18.50	23.00	30.52
2,600 cu.yd. conc. in counterfort retaining walls and in counterfort abutments	20.00	20.00	14.70	25.00	27.50	28.00	36.89
8,500 cu.yd. conc. in rein.-con. viaduct and in deck on steel spans	25.00	25.00	34.67	36.40	33.00	37.00	50.22
8,000 sq.yd. conc. pavement slab on filled approach	3.00	3.80	2.36	3.50	4.50	4.15	6.97
20,000 sq.ft. conc. sidewalk slab on filled approach	.45	.33	.285	.40	.45	.45	.62
2,600 lin.ft. combined curb and gutter on filled approach	2.00	2.00	2.12	2.00	2.00	1.90	4.02
1,600 cu.yd. conc. ballast in street railway trough	10.00	11.00	9.35	15.00	12.00	13.25	20.55
2,500 lin.ft. conc. hand rail	11.00	6.00	10.80	13.00	14.00	12.00	20.56
1,000 cu.yd. conc. encasement of steel spans	60.00	27.00	27.47	75.00	,00.00	86.50	93.59
1,700,000 lb. reinforcement steel	.05	.0475	.045	.058	.06	.065	.085
1,300,000 lb. structural steel	.0585	.055	.0685	.085	.095	.105	.115
72,000 lb. roller nests for conc. and steel spans	.15	.21	.242	.15	.20	.25	.40
24,000 lb. cast steel expansion joints and drainage inlet grates	.20	.215	.17	.18	.21	.23	.34
37,000 lb. iron casting and ladder rungs	.10	.10	.12	.10	.10	.14	.26
2,320 lin.ft. wrought iron hand rail	2.85	3.50	2.75	3.00	3.50	4.85	5.15
750 lin.ft. 2-in. wrought iron water pipe	1.50	1.50	.70	2.50	2.50	1.75	2.70
15,500 lb. 8-in. cast iron down spouts on open approach	.1225	.10	.08	.18	.16	.14	.16
102,000 sq.ft. waterproofing paper	.05	.11	.03	.08	.07	.085	.17
52,000 sq.ft. waterproofing mastic on open approach	.10	.29	.09	.16	.18	.16	.55
760 sq.ft. 2-in. mastic preformed joints	1.00	.50	.125	.80	.90	.95	1.08
6,000 sq.ft. 1-in. mastic preformed joints	.40	.25	.61	.50	.45	.65	.59
8,000 lb. asphalt in and around roller nests	.10	.05	.045	.11	.12	.10	.09
1,500 lin.ft. 16-in. copper expansion joints	1.15	1.35	1.25	2.00	1.75	1.45	2.37
1,000 lin.ft. 12-in. copper expansion joints	1.00	1.05	1.05	1.50	1.50	.95	1.83
1,700 lb. galvanized iron roller nest enclosures	.50	.17	.16	.45	1.00	.35	.37
11,500 sq.yd. durax block paving	6.00	7.65	6.95	8.25	7.50	7.75	12.70
600 lin.ft. 12-in. tile drain	1.75	5.00	6.00	1.90	2.00	3.75	5.40
950 lin.ft. 8-in. tile drain	1.50	1.20	2.42	1.50	1.75	2.50	4.18
300 lin.ft. 4-in. tile drain	1.00	1.05	7.85	1.20	1.00	1.75	2.82
560 lin.ft. rebuilding present 10-ft. 6-in. sewer	80.00	137.00	109.00	150.00	145.00	98.00	190.00
100 lin.ft. standard sewer manholes	15.00	20.00	7.15	22.00	20.00	17.00	17.54
30 combined trolley pole foundations and lighting handholes in filled approach	110.00	125.00	80.00	100.00	120.00	122.00	250.55
13 conduit manholes in roadway of filled approach	225.00	140.00	125.00	300.00	275.00	280.00	390.73
120 lin.ft. 12-in. ingot iron pipe	5.00	6.00	7.85	5.00	7.00	5.50	9.95
3,800 lin.ft. 4 duct tile conduit under roadway and sidewalk in filled approach, encased	1.50	3.00	1.22	3.00	3.25	3.05	6.66
1,300 lin.ft. 2 duct tile conduit in filled approach, encased	1.25	2.15	.98	2.00	2.25	2.30	4.96
150 lin.ft. 1 duct tile conduit in filled approach, encased	1.00	1.70	.87	1.00	1.50	1.75	4.00
14,000 duct ft. 3½-in. fibre conduit in open approach	.50	1.20	.305	.48	.50	.53	.80
5,000 sq.yd. conc. pavement over track troughs	2.5	2.40	2.35	3.00	4.20	3.90	7.79
Totals	$972,484	$975,109	$979,394	$1,291,168	$1,325,871	$1,346,014	$1,960,000

Engineering News-Record, Issue of July 19, 1928.

Paving Prices Bid at Fayetteville, N. C., May 31, 1928

Thomas D. Rose, Engineer

14,620 sq.yd. plain cement concrete base 5 in.	$1.00	$1.20	$0.98	$1.15	$1.12	$1.10	$1.15	$1.30	$0.96	$1.10
14,620 sq.yd. amiesite wearing surface	1.35	1.38	.....	.....	.....	1.64	1.68	1.35	.....	1.36
14,620 sq.yd. amiesite wearing surface with bond	1.40	1.40	.....	.....	.....	1.69	1.73	1.45	.....	1.41
14,620 sq.yd. asphaltic concrete, coarse aggregate type	1.00	.....	.97	1.16	1.20	1.05	1.07	.....	.....	.86
14,620 sq.yd. asphaltic concrete, with bond	1.03	.....	1.02	1.21	1.25	1.10	1.13	.....	.....	.91
14,620 sq.yd. asphaltic concrete, fine aggregate type	.90	.....	.84	1.16	1.13	.97	1.02	.....	.....	.79
14,620 sq.yd. asphaltic concrete, fine aggregate, with bond	.93	.....	.89	1.21	1.18	1.02	1.06	.....	.....	.84

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